

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, Texas 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1967 FNL & 1985 FEL, Section 23, T9S, R16E

At proposed prod. zone

S W N E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18.6 miles West of Myton

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1967

16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2750

19. PROPOSED DEPTH

6500

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5706 GL

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	250	300 sx
7 7/8	5 1/2	15.50	TD	As warranted

- ATTACHMENTS:
1. 10 Point Program
 2. 13 Point Surface Use Plan
 3. Location Plat
 4. Location Layout
 5. Topo Maps "A" & "B"

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 4/21/82
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: [Signature] G. L. Pruitt TITLE: Mgr. Drilling & Production DATE: 4/8/82

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Lomax Exploration Company
Well No. 7-23
Section 23, T.9S., R.16E.
Duchesne County, Utah
Lease U-15855

Supplemental Stipulations

- 1) The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and travelling off the right-of-way will not be allowed.
- 2) Topsoil will be stockpiled at Points No. 1 and 2. It is recommended that the top 6-10 inches of topsoil material be stockpiled.
- 3) The BLM will be notified at least 24 hours prior to any rehabilitation.
- 4) A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest landfill.
- 5) All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
- 6) Reserve pits will be fenced with a wire mesh fence topped with at least one strand of barbed wire.
- 7) A muffler system will be installed on all pumping units.
- 8) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany Zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:

1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.

C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.

D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn
District Oil and Gas Supervisor

AMR/kr

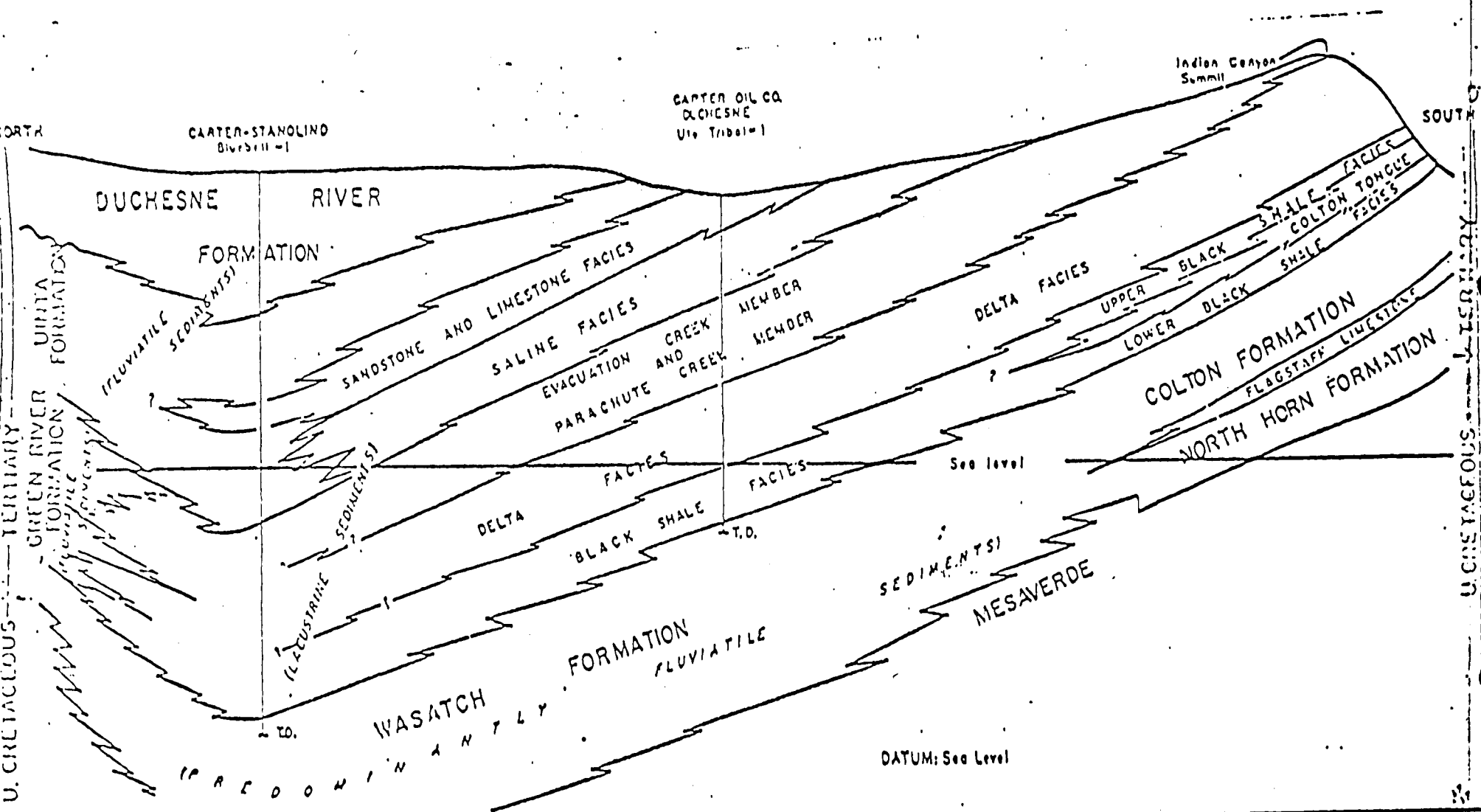
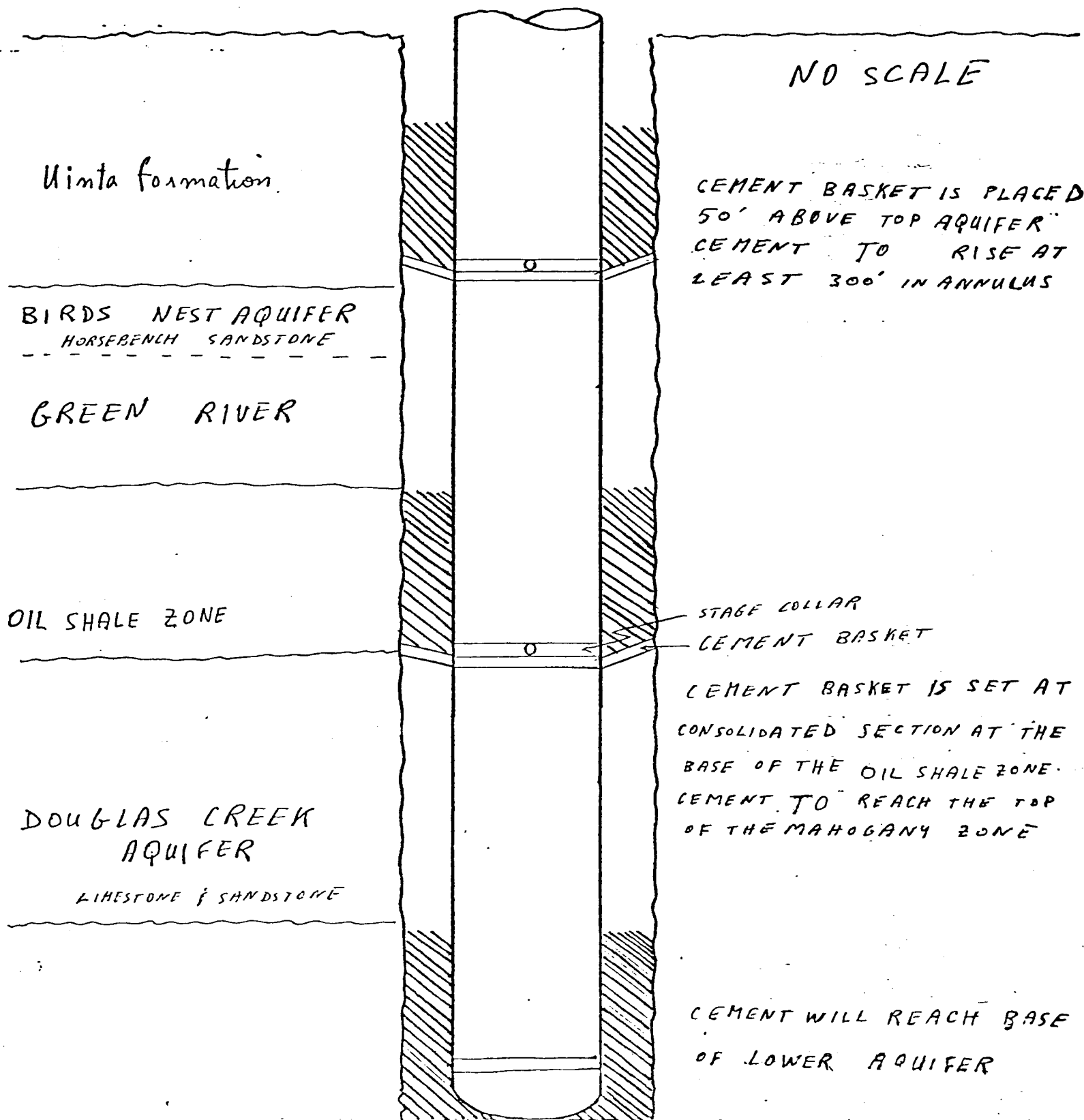


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS IN
NATURAL BUTTES FIELD. HINTAH COUNTY, UTAH



Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

LOMAX EXPLORATION

13 Point Surface Use Plan

For

Well Location

Federal #7-23

Located In

Section 23, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Federal #7-23, located in the SW 1/4 NE 1/4 Section 23, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.9 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 10.3 miles to its junction with an existing dirt road to the Southwest; proceed Southwesterly along this road 4.81 miles to its junction with the proposed location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are mainted by County crews.

The aforementioned dirt oil field service roads and other roads in the vacinity are constructed out of existng native materials that are prevalent to the existing areas they are located in and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no planned access road, the existing road goes to the location site.

3. LOCATION OF EXISTING WELLS

There are 3 producing wells within a one mile radius of this location site. The Lomax Federal #12024 is roughly 2750' to the East of this proposed site, and Lomax Federal #7-26 is about 1 mile South of this site. First Energy's #1-26 is approximately 4125' Southeast of the site proposed for the Federal #7-23.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are two existing Lomax Exploration wells within a one mile radius of this location site. Each of these locations have the following production facilities - two 300 barrel tanks, line heaters, pumping units & heater trace.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing well in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 18.6 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site .

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 19 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

Federal #7-23 is located approximately 1.2 miles South of Castle Peak Draw a non-perennial drainage which runs to the Northeast into the Green River.

LOMAX EXPLORATION

Federal #7-23

Section 23, T9S, R10E, S.L.B. & M.

The terrain in the vicinity of the location slopes from the South to the North at approximately 2.0% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

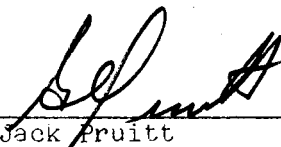
Jack Pruitt
LOMAX EXPLORATION
333 North Belt East, Ste. 880
Houston, TX 77060

1-713-931-9276

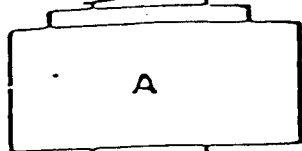
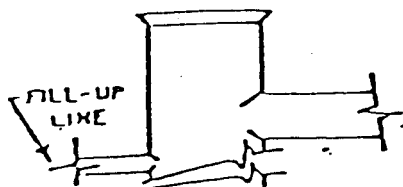
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date



Jack Pruitt



Shaffer Spherical
10" 900



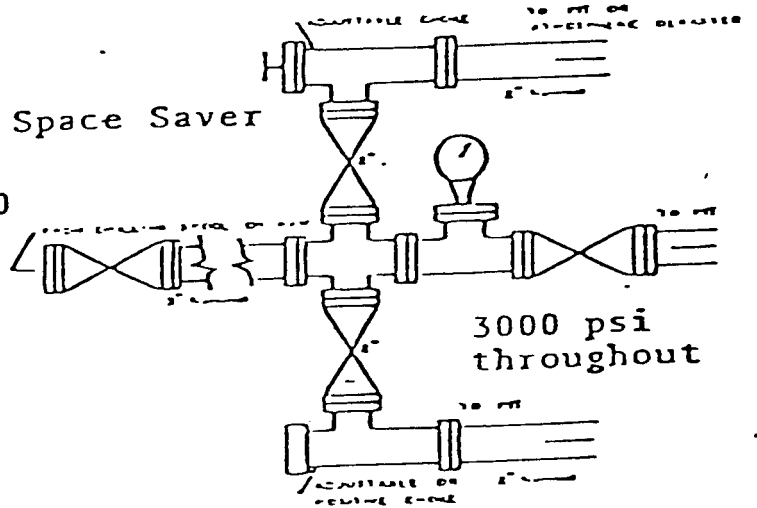
Cameron Space Saver



10" 900

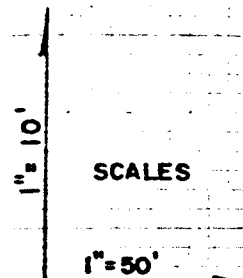
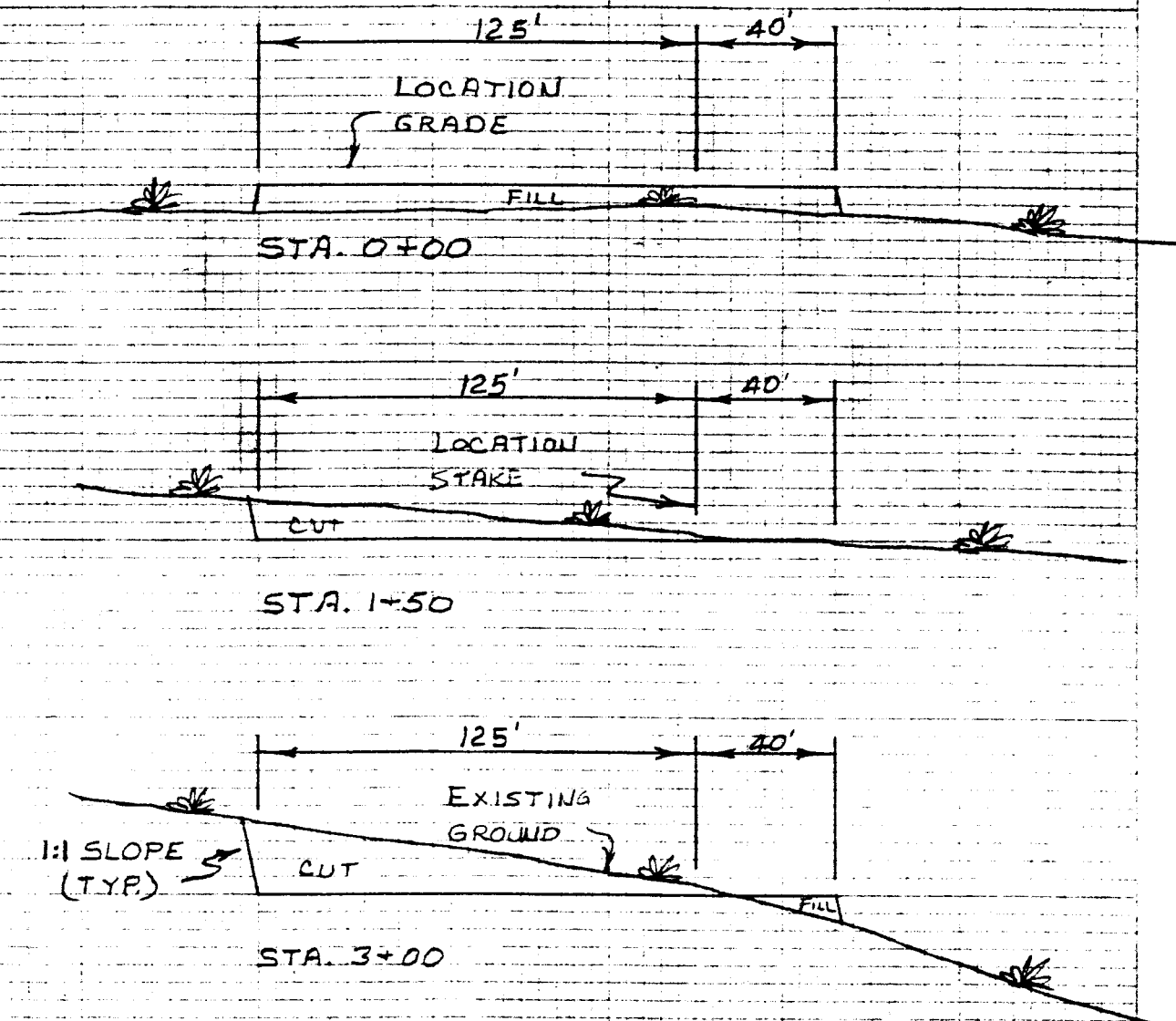
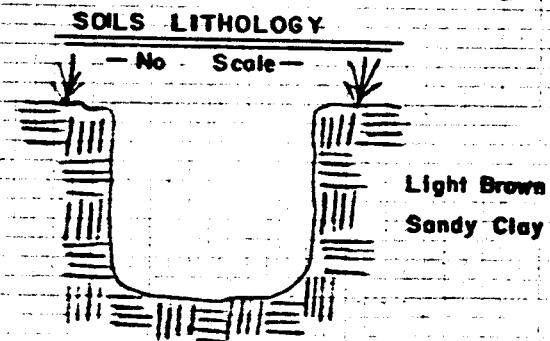
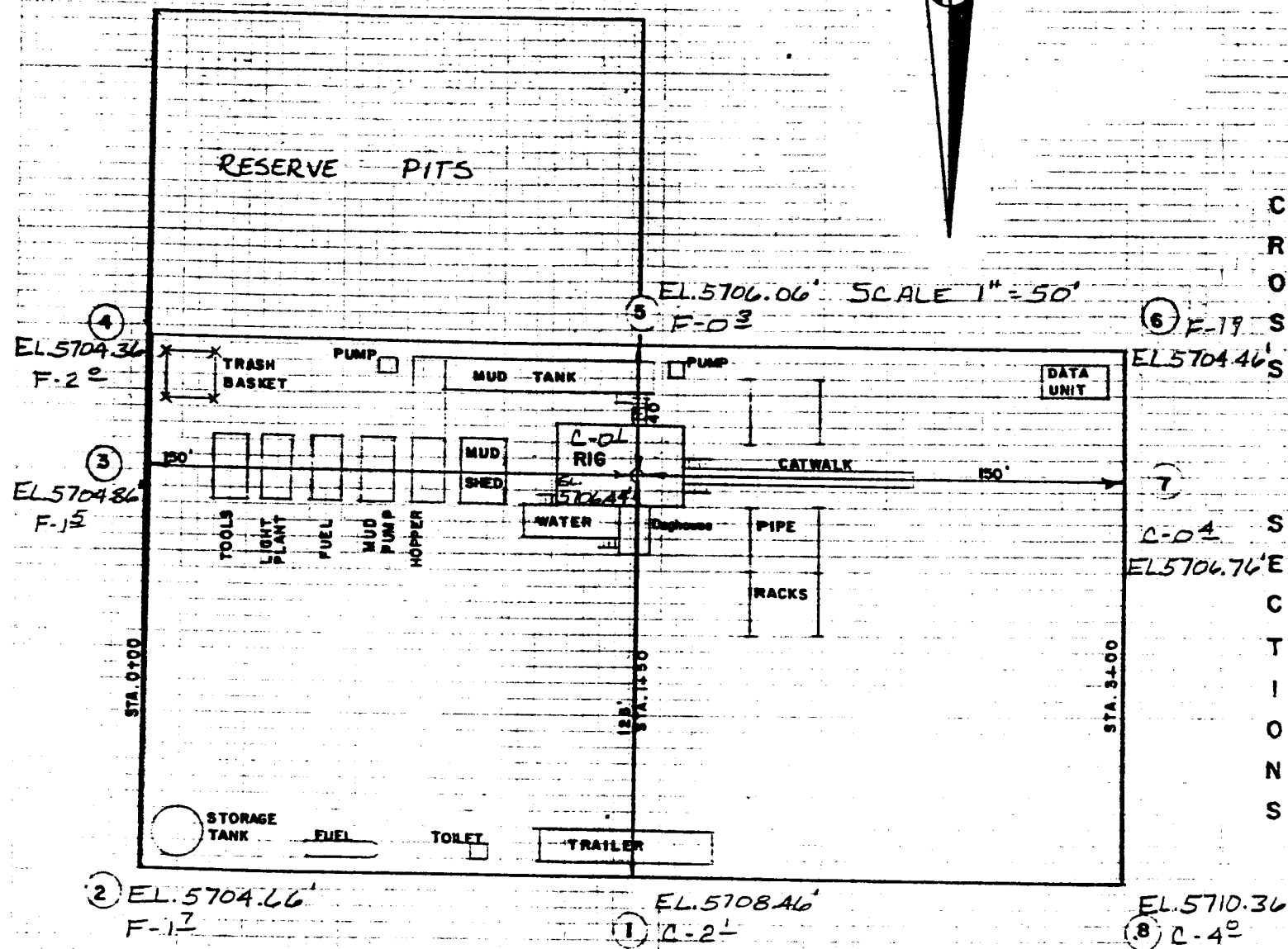
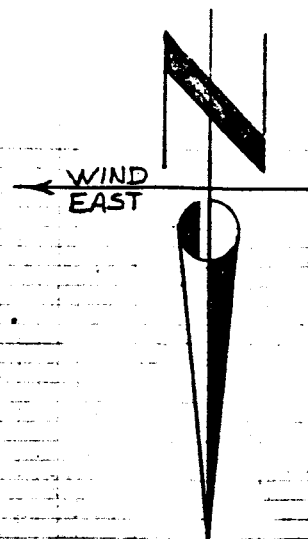


Casinghead



LOMAX EXPLORATION CO.

FEDERAL #7-23



APPROXIMATE YARDAGES

Cubic Yards of Cut = 1608
Cubic Yards of Fill = 849

LOMAX EXPLORATION CO.

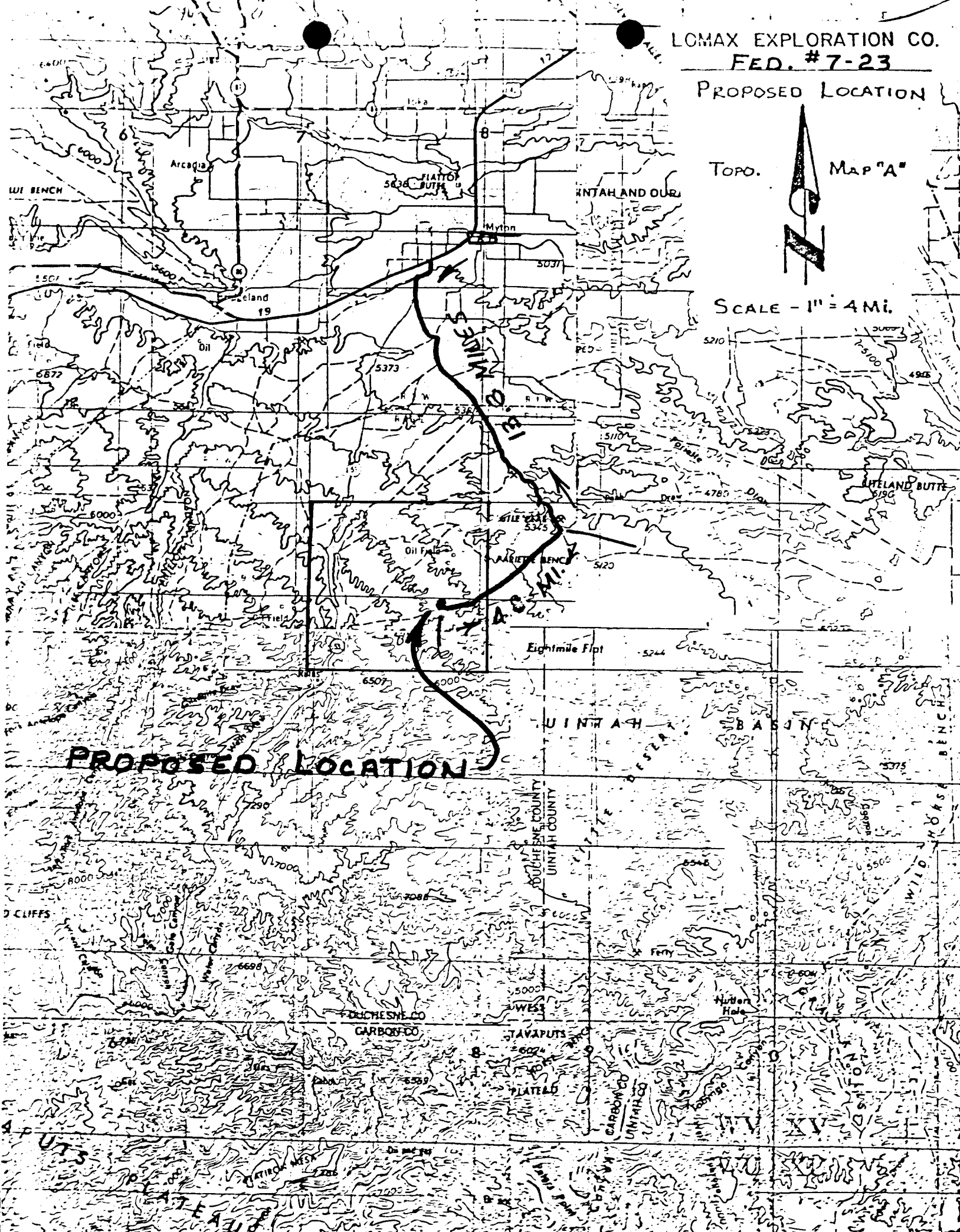
FED. #7-23

PROPOSED LOCATION

TOPO.

MAP "A"

SCALE - 1" = 4 Mi.



LOMAX EXPLORATION CO.

FED. #7-23

PROPOSED LOCATION

Topo.

MAP "B"

SCALE - 1" = 2000'

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty - - - - -
Medium-duty - - - - - Unimproved dirt - - - - -

U. S. Route

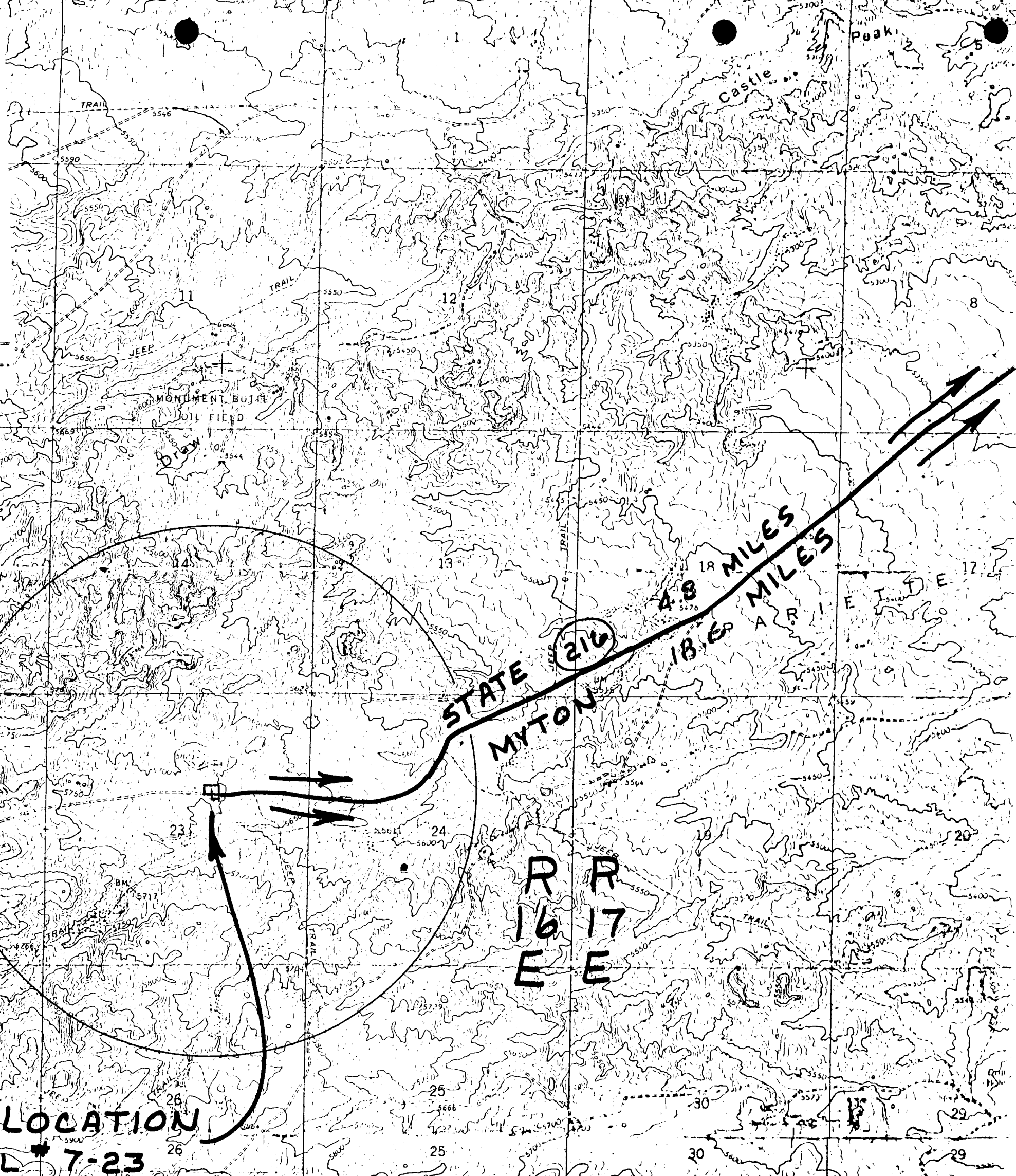
State Route

UTAH

QUADRANGLE LOCATION

PROPOSED LOCATION

FEDERAL #7-23



PROPOSED LOCATION
FEDERAL # 7-23

T 9 S
T 10 S

STATE
MYTON

6
ite Mul
Spring

** FILE NOTATIONS **

DATE: 4-20-82

OPERATOR: Konak Exploration Co.

WELL NO: Fed. # 7-23

Location: Sec. 23 T. 9S R. 16E County: Duckworth

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-013-30642

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per rule C-3

Administrative Aide: OK as per rule C-3

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed.

Plotted on Map ☒

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

April 22, 1982

Lomax Exploration Co.
P. O. Box 4503
Houston, Texas 77210

RE: Well No. Federal #7-23,
Sec. 23, T. 9S, R. 16E,
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30662.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: Minerals Management Service
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OIL & GAS OPERATIONS
RECEIVED
AUG 16 1982
SALT LAKE CITY, UTAH
SINGLE ZONE
MULTIPLE ZONE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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OIL SHALE

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SIGNED

G. L. Pruitt

TITLE

Mgr. Drilling & Production DATE 4/8/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

E. W. Guyrin
District Oil & Gas Supervisor

DATE

NOV 17 1982

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATING COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

STATE O&G

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1967' FNL & 1985' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18.6 miles West of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1967

16. NO. OF ACRES IN LEASE

1200

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1810

19. PROPOSED DEPTH

6500

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5706 GL

22. APPROX. DATE WORK WILL START*

November, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	To Surface
7 7/8	5 1/2	17	TD	As Required

*Submitted as a 1 yr renewal of
an existing approval*

[Signature]
3-8-83

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

G. L. Pruitt TITLE V.P. Drilling & Production

DATE

3/02/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

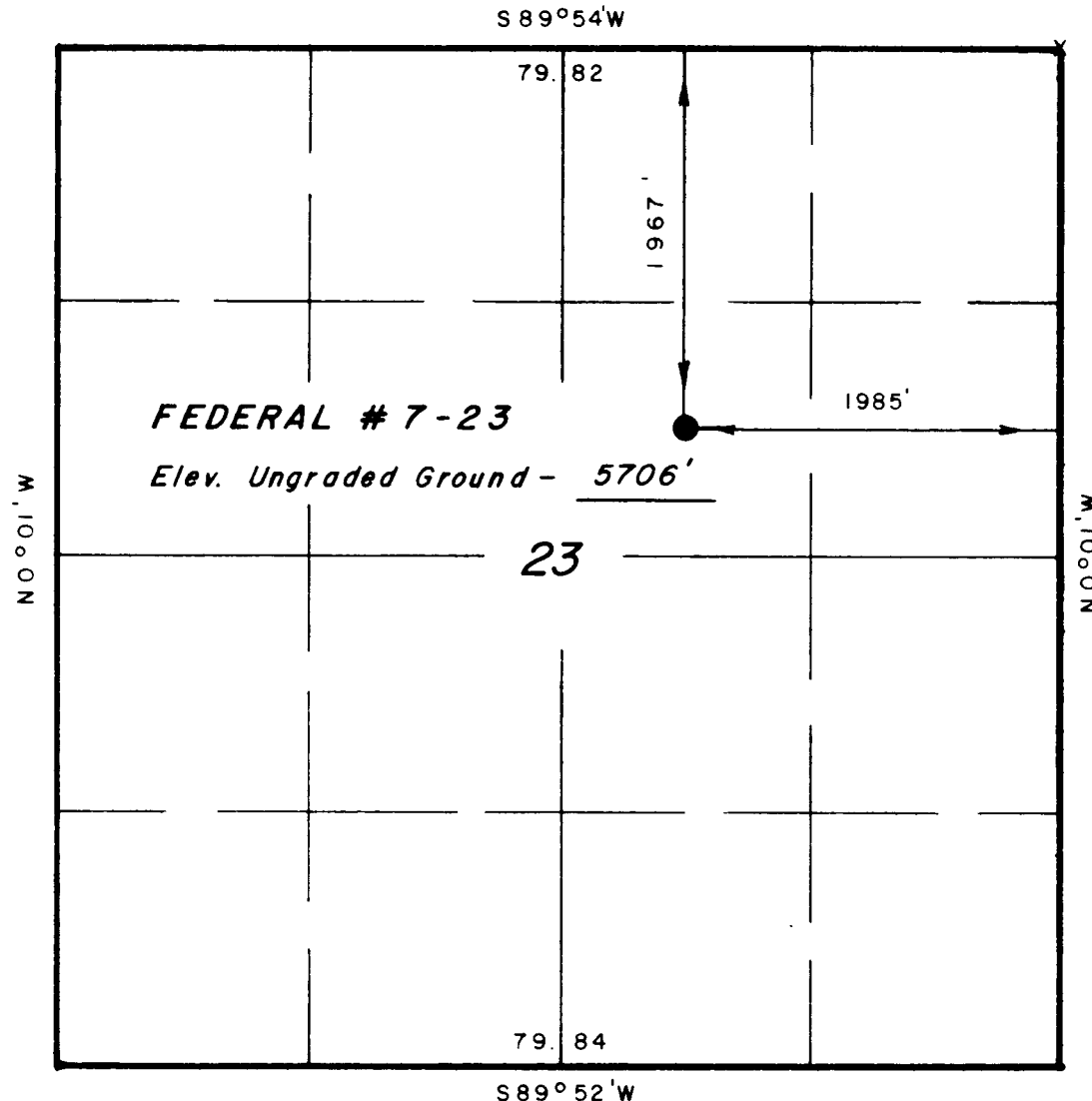
DATE

CONDITIONS OF APPROVAL, IF ANY:

T 9 S, R 16 E, S.L.B.&M.

PROJECT
LOMAX EXPLORATION CO.

Well location, *FEDERAL # 7-23*,
located as shown in the SW 1/4 NE 1/4
Section 23, T 9 S, R 16 E, S.L.B.&M.
Duchesne County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Steve Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

X = Section Corners Located

SCALE 1" = 1000"	DATE 12 / 2 / 81
PARTY G.S. B.W. S.B.	REFERENCES GLO Plat
WEATHER Fair	FILE LOMAX EXPLOR.

TEN POINT WELL PROGRAM

Lomax Exploration Company
Federal #7-23
Section 23, T9S, R16E
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0-3165
Green River	3165
Wasatch	6205

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River	3175	
H zone	3515	Sand & Shale - possible oil & gas shows
J zone	4415	Sand & Shale - oil & gas shows anticipated
M zone	5715	Sand & Shale - primary objective oil

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 250'.
5 1/2", J-55, 15.50#, STC; set at TD
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone, and with KCl water thereafter. The mud system can be weighted up using salt to control any gas.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H₂S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately July, 1982, and will last one month.

March 2, 1983

Mr. Bill Martin
Minerals Management Service
1745 West 1700 South
Room 2000
Salt Lake City, Utah 84104

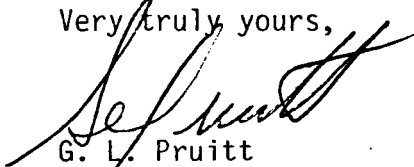
Castle Peak Federal #7-23
Castle Peak Federal #3-24
Castle Peak Federal #3-26
Castle Peak Federal #1-23
Castle Peak Federal #11-24

Dear Mr. Martin:

Enclosed are Applications for Permit to Drill the subject wells. These applications were originally submitted in April, 1982 and received approval by your office on April 22, 1982. We request a one year extension on these permits as we plan to drill the Federal #9-23 well soon and this could result in further development in the near future.

Please advise if you need any additional information.

Very truly yours,


G. L. Pruitt
V.P. Drilling & Production

GLP/mdt
Enclosures

✓ cc: State of Utah
Division of Oil and Gas

MAR 10 1983

333 North Belt East
Mailing Address:

Suite 880
P.O. Box 4503

Houston, Texas 77060
Houston, Texas 77210-4503

713/931-9276

27
NOTICE OF SPUD

Company: Lanay

Caller: Michelle

Phone: 713-931-9276

Well Number: # 7-23

Location: 20 1/4 NE 1/4 Sec. 23-95-16E

County: Buchanan State: UT

Lease Number: U-15855

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 7-26-83 12 A.M.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" @ 1560'

Rotary Rig Name & Number: Arco #1

Approximate Date Rotary Moves In: 7-26-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy Barte

Date: 7-27-83

cc: well file
UT St. Oil & Gas
BLM, Vernal
TAY

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: LOMAX EXPLORATION COMPANY

WELL NAME: Federal 7-23

SECTION SWNE 23 TOWNSHIP 9S RANGE 16E COUNTY Duchesne

DRILLING CONTRACTOR Orion

RIG # 1

SPUDDED: DATE 7-26-83

TIME 12:00 AM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Michelle

TELEPHONE # 713-931-9276

DATE 7-27-83 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for ~~well proposals~~.)

1. oil ☒ well ☐ gas well ☐ other
2. NAME OF OPERATOR
Lomax Exploration Company
3. ADDRESS OF OPERATOR
P.O. Box 4503, Houston, TX 77210
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1967' FNL & 1985' FEL SE/NE
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) SPUD NOTIFICATION		

LEASE

U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Castle Peak Federal

9. WELL NO.

7-23

10. FIELD OR WILDCAT NAME

Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 23, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

14. API NO.

43-013-30662

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5706 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

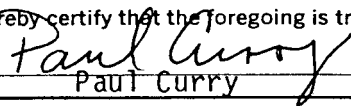
7/21/83 Drill 12 1/4" hole to 290' w/dryhole digger. Set 8 5/8" 24# J-55 ST&C csg @ 281'. Cement w/210 sx class "G" + 2% CaCl + 1/4#/sx flocele. Cement returns to surface

7/26/83 Spud w/Orion Rig #1 @ 12:00 A.M. 7/26/83.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED


Paul Curry

TITLE Eng. Asst.

DATE

July 29, 1983

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Castle Peak Federal

9. WELL NO.

7-23

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Section 23, T9S, R16E

12. COUNTY OR

PARISH

Duchesne

13. STATE

Utah

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1967' FNL & 1985' FEL SW/NE

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-013-30662

DATE ISSUED

4/22/82

15. DATE SPUDDED

7/26/83

16. DATE T.D. REACHED

8/1/83

17. DATE COMPL. (Ready to prod.)

8/26/83

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

5706' GR

19. ELEV. CASINGHEAD

5706

20. TOTAL DEPTH, MD & TVD

5400'

21. PLUG, BACK T.D., MD & TVD

5322

22. IF MULTIPLE COMPL.,
HOW MANY*

-

23. INTERVALS
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4872-4910'

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDL-DLL-MSFL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	281	12 1/4	210 sx cl "G" + 2% CaCl + 1/4#/sx flocele	
5 1/2	17	5373	7 7/8	200 sx Lodense & 300 sx Gypseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	4985	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

4872-78
4890-4910

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4872-4910	37,974 gals gelled KCL water + 130,792# 20/40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8/26/83		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/20/83	24	Open	→	176	NM	2	NM
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	0	→	176	NM	2	35	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

G. L. Pruitt

TITLE V.P. Drilling & Production

DATE 10/12/83

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

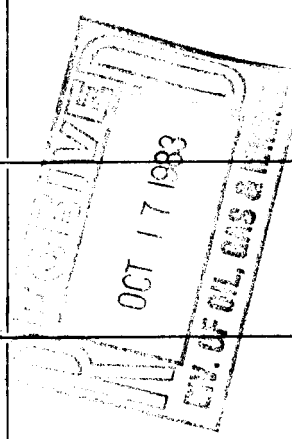
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3450'					
Douglas Creek	4437'					
D	4475'					
C	4606'					
B	4719'					
A	4871'					
Black Shale Facies	5091'					
Castle Peak	5296'					



Form 11-100-1
(November 1983)
(Form 11-100-1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other Instructions on Reverse Side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

N/A

9. WELL NO. Castle Peak Federal
#12-24, #9-23, #7-23

10. FIELD AND POOL, OR WILDCAT

Castle Peak

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 23 & 24

T9S-R16E

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Lomax Exploration Company

3. ADDRESS OF OPERATOR
50 W. Broadway, Suite 1000, Salt Lake City, UT 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

See attached sheet.

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)
See attached sheet. See attached sheet.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Construct gas gathering system ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Construct a gas gathering system for the subject wells. The system will consist of an 8" main gas line, and 3" feeder lines from each of the subject wells to the main line. A compressor site will be located in the NW/NE of Section 24, T9S-R16E. Such compressor site will contain a compressor (housed), condensate storage tank or tanks, gas separator, gas processing plant and generator (housed). The compressor site will occupy less than two (2) acres. That part of the gas gathering system behind (South and West) the compressor will be buried; that part of the system from the compressor to the lease boundary will be a surface line. Initial volumes of gas to be transported will be approximately 400 MCFD. Construction will begin as soon as approval is received. A plat showing the location of the system is attached.

RECEIVED

MAY 29 1984

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED David D. Perkins

TITLE District Landman

DATE May 16, 1984

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Attached to that certain Sundry Notice dated May 16, 1984 for the Castle Peak Federal #12-24, #9-23 & #7-23 wells on Lease U-15855.

Item 4. - Location of well:

#12-24 - 1982' FNL, 794' FWL, Section 24, T9S-R16E
#9-23 - 2080' FSL, 659' FEL, Section 23, T9S-R16E
#7-23 - 1967' FNL, 1985' FEL, Section 23, T9S-R16E

Item 14. - Permit No.:

#12-24 - 43013-30588
#9-23 - 43013-30654
#7-23 - 43013-30662

Item 15. - Elevations:

#12-24 - 5651 GR
#9-23 - 5663 CR
#7-23 - 5706 GR

PIPELINE BREAKDOWN

TOTAL PIPELINE IN SECTION 18. T95. R17E. S.L.D. & M. = 79.94'
 TOTAL PIPELINE IN SECTION 13. T95. R16E. S.L.D. & M. = 936.47'
 TOTAL PIPELINE IN SECTION 24. T95. R16E. S.L.D. & M. = 6,792.17' INCLUDING
 THE LATERAL TO FED. 012-24, WHICH IS (654.29').
 TOTAL PIPELINE IN SECTION 23. T95. R16E. S.L.D. & M. = 5,832.26' INCLUDING
 THE LATERAL TO FED. 07-23, WHICH IS (888.60'). & THE LATERAL TO FED. 09-23,
 WHICH IS (379.32').
 TOTAL PIPELINE IN SECTION 26. T95. R16E. S.L.D. & M. = 4,673.54'

TOTAL LENGTH OF PIPELINE RIGHTS - OF - WAY INCLUDING THE THREE LATERALS IS:
 18,254.38' OR 3.457 MILES.

SURVEYOR'S CERTIFICATE

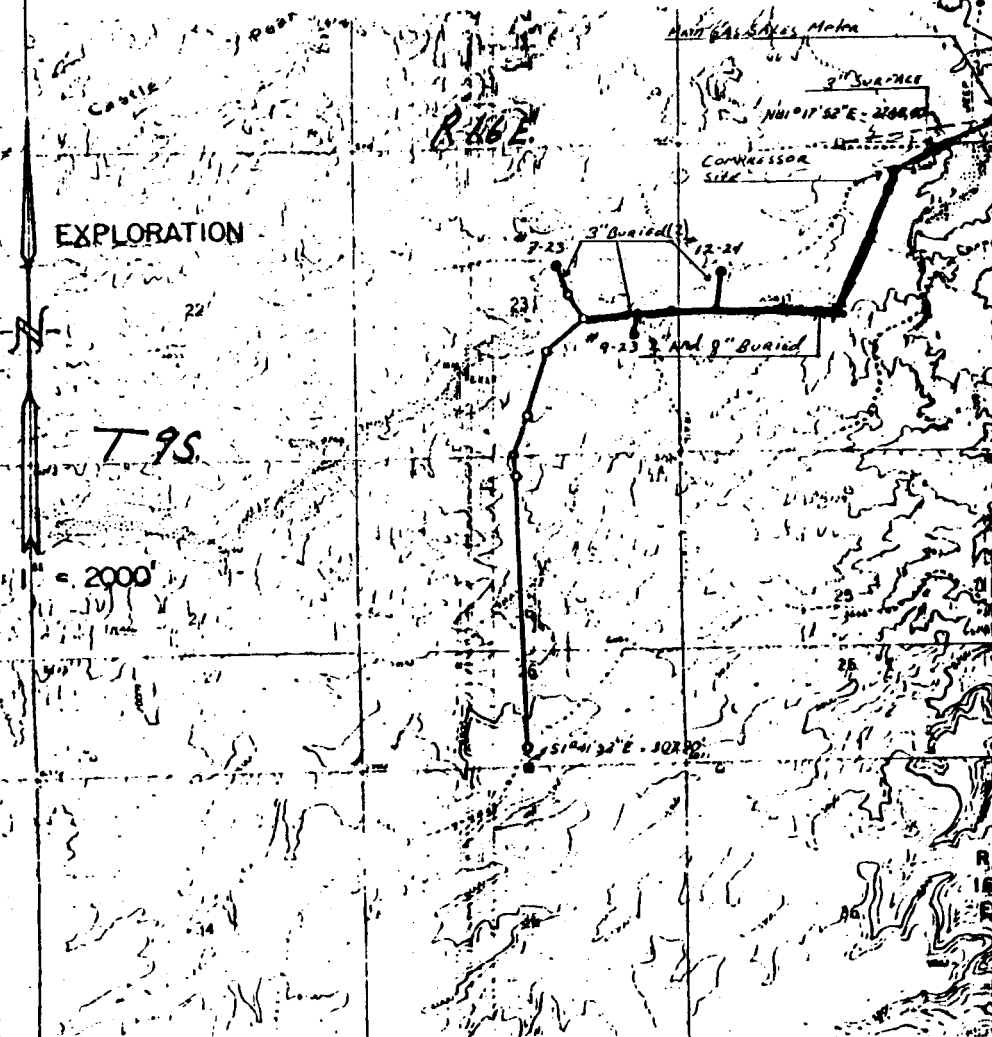
THIS IS TO CERTIFY THAT THIS DRAWING WAS MADE FROM FIELD NOTES OF ACTUAL
 SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND
 CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 2464
 STATE OF UTAH

EXPLORATION

T95

1" = 2000'




N0580

LOMAX TEST REPORT

Month of November 1987

Well Name	TEST				CURRENT MONTH (bbls oil)			Next Month ² Ceiling
	Date	BOPD	MCPD ¹	GOR	Production Ceiling	Actual Production	Over (Under)	
43-013-30670.50w 8517E 20 Boundary Federal #9-20	Temporarily Abandoned							
8517E 20 43-013-30667.50w #15-20	Temporarily Abandoned							
43-047-31272 PCW 7521E 8 Brennan Bottom #15-8	11-25-87	7	1	171	NA	NA	NA	NA
43-013-30756 PCW 554w 2 Brundage Canyon #16-2	11-10-87	5	44	8784	NA	NA	NA	NA
554w 15 43-013-30842 PCW #14-15	11-06-87	4	33	7904	NA	NA	NA	NA
554w 16 43-013-30841 PCW #16-16	11-03-87	8	12	1536	NA	NA	NA	NA
554w 21 43-013-30829 PCW #8-21	11-18-87	34	182	5360	868	790	(78)	800
554w 22 43-013-30755 PCW #4-22	11-16-87	20	31	1514	NA	NA	NA	NA
S. Brundage Can. #4-27	11-05-87	61	97	1578	NA	NA	NA	NA
554w 29 43-013-30964 PCW #1-29	11-13-87	7	5	816	NA	NA	NA	NA
554w 30 43-013-30948 PCW #1-30	11-09-87	4	4	1024	NA	NA	NA	NA
43-013-30873 PCW 9516E 23 Castle Peak Fed. #6-23	11-01-87	16	20	1250	NA	NA	NA	NA
9516E 23 43-013-30662 PCW #7-23	11-01-87	9	28	3111	NA	NA	NA	NA
8517E 23 43-047-31543 PCW #9-23	11-01-87	5	9	1800	NA	NA	NA	NA
9516E 24 43-013-30588 PCW #12-24	SHUT-IN							
43-013-30933 PCW 554w 19 S. Cottonwood R. #1-19	11-07-87	29	18	631	NA	NA	NA	NA
554w 20 43-013-30966 PCW #1-20	11-05-87	24	14	604	NA	NA	NA	NA
43-013-30861 PCW 454w 9 Coyote Canyon #10-9	SHUT-IN							
455w 12 43-013-30922 PCW #16-12	SHUT-IN							

- . Flared or Vented
- . Incorporates GOR formula & over/under amount

Signature: 

Title: Production Technician

Date: 12-18-87

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



July 13, 1995

State of Utah Department of Natural Resources
Attention: Ms Becky Pritchett
355 W. North Temple
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204

RE: Corporate Name Change

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

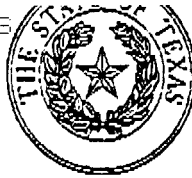
Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

Chris A Potter, CPL
Manager of Land



The State of Texas

Secretary of State
JUNE 30, 1995

MIKE PARSONS...GLAST, PHILLIPS & MURRAY
2200 ONE GALLERIA TWR, 13355 NOEL RD, L648
DALLAS ,TX 75240-6657

RE:
INLAND PRODUCTION COMPANY
CHARTER NUMBER 00415304-00


IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES
OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS
ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,




Antonio O. Garza, Jr., Secretary of State



The State of Texas

Secretary of State

CERTIFICATE OF AMENDMENT

FDR

INLAND PRODUCTION COMPANY

FORMERLY

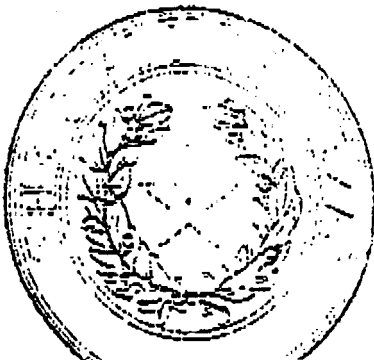
LOMAX EXPLORATION COMPANY
CHARTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS,
HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE
NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO
CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE
OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS
CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995




Antonio O. Garza, Jr., Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
LOMAX EXPLORATION COMPANY

FILED
In the Office of the
Secretary of State of Texas

JUN 29 1995

Corporations Section

Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. Name. The name of the corporation is LOMAX EXPLORATION COMPANY.
2. Statement of Amendment. The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."

3. Shareholders. The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.

4. Adoption by Shareholders. Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.

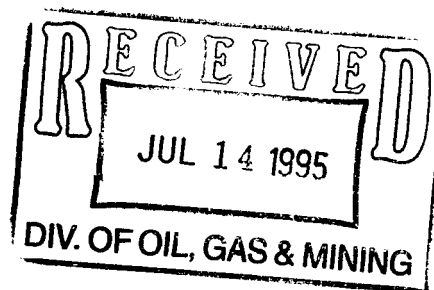
5. Adoption by Board of Directors. The Board of Directors adopted said amendment by a consent in writing signed by all Directors.

6. Future Effective Date. This amendment will become effective on July 1, 1995, at 12:01 a.m.

EXECUTED June 26, 1995.



Kyle R. Miller, President



Announcing
Our Name Change

From

Lomax Exploration Company

To

**Inland Production
Company**

** N 5160 assigned 7/26/95. Lee*

Field And Corporate Office Locations Remain The Same:

Corporate Office:

Inland Resources Inc.

475 Seventeenth Street, Suite 1500

Denver, CO 80202

Field Office:

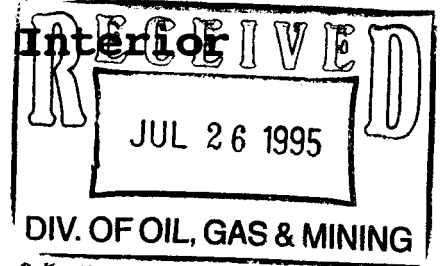
W. Pole Line Road

P.O. Box 1446

Roosevelt, Utah 84066

United States Department of the Interior
BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



JUL 25 1995

IN REPLY REFER TO:
3100
SL-065914 et al
(UT-923)

NOTICE

Inland Production Company	:	Oil and Gas Leases
475 Seventeenth St., Ste. 1500	:	SL-065914 et al
Denver, Colorado 80202	:	

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.
Hartford Plaza
Hartford, CT 06115

bc: Moab District Office
Vernal District Office
Montana State Office
Wyoming State Office
Eastern States Office
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180
Teresa Thompson (UT-922)
Dianne Wright (UT-923)

EXHIBIT

SL-065914	U-36846	UTU-66185
SL-071572A	U-38428	UTU-67170
U-02458	U-45431	UTU-68548
U-15855	U-47171	UTU-69060
U-16535	U-50376	UTU-69061
U-26026	U-62848	UTU-72103
U-34173	UTU-65965	UTU-72104
U-36442	UTU-66184	UTU-73088

FAX COVER SHEET



RESOURCES INC.
475 17th Street, Suite 1500
Denver, CO 80202
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995

TO: Lisha Cordova

COMPANY: State of Utah - Division of Oil, Gas and Mining

FAX NUMBER: 801 359 3940

FROM: Chris A Potter

NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

RE: Transfer of Authority to Inject
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: (GIL) *[initials]*

1- ME 7-PL
2-LWP 8-SJ
3-DTS 9-FILE
4-VLC
5-RJF
6-LWP

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

(MERGER)

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95)

TO (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM (former operator)	<u>LOMAX EXPLORATION COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 1446</u>
	<u>ROOSEVELT UT 84066</u>		<u>ROOSEVELT UT 84066</u>
	<u>KEBBIE JONES</u>		<u>KEBBIE JONES</u>
phone (<u>801</u>)	<u>722-5103</u>	phone (<u>801</u>)	<u>722-5103</u>
account no. <u>N 5160</u>		account no. <u>N 0580</u>	

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: <u>013-30662</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7/14/95)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) no If yes, show company file number: _____ *(7-28-95)*
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(7-31-95)*
- LWP 6. Cardex file has been updated for each well listed above. *8-16-95*
- Sec 7. Well file labels have been updated for each well listed above. *8-22-95*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(7-31-95)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Trust Lands Admin. / Rider or Repl. in Progress.*

- N/A See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operators' bond files.
- ____ 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
8/23/95 sent to Ed Bunker

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 30 1995.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950726 Blm/SL Appr. eff. 6-29-95.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES
LOMAX EXPLORATION COMPANY
PO BOX 1446
ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓FEDERAL 2-33								
4301330749	10628	08S 16E 33	GRRV			434173		
✓FEDERAL 14-28								
4301330792	10628	08S 16E 28	GRRV			56071572A		
✓WEST MONUMENT 10-28								
4301330856	10628	08S 16E 28	GRRV			"		
✓TRAVIS FEDERAL 5-33								
4301331435	10628	08S 16E 33	GRRV			434173		
✓FEDERAL 7-23								
4301330662	10629	09S 16E 23	GRRV			415855		
✓BOUNDARY FED 11-21								
4301330752	10630	08S 17E 21	GRRV			450376		
✓DERAL #1-35								
4301330561	10835	08S 16E 35	GRRV			416535		
✓STATE 1-2								
4301330596	10835	09S 16E 2	GRRV			ML21839		
✓STATE 13-36								
4301330623	10835	08S 16E 36	GRRV			ML22061		
✓STATE #3-2								
4301330627	10835	09S 16E 2	GRRV			ML21839		
✓FEDERAL #12-35								
4301330744	10835	08S 16E 35	GRRV			416535		
✓STATE 12-36								
4301330746	10835	08S 16E 36	GRRV			ML22061		
✓FEDERAL 6-35								
4301330751	10835	08S 16E 35	GRRV			416535		
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge. Date:

Name and Signature: Telephone Number:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1967 FNL 1985 FEL SW/NE Section 23, T09S R16E

5. Lease Designation and Serial No.

U-15855

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

FEDERAL 7-23

9. API Well No.

43-013-30662

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

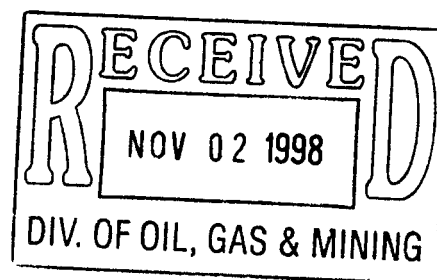
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Inland Production Company

Site Facility Diagram

Castle Peak 7-23

SW/NE Sec. 23, T9S, 16E

Duchesne County

Sept. 17, 1998

Site Security Plan is held at the
Roosevelt Office, Roosevelt Utah

Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

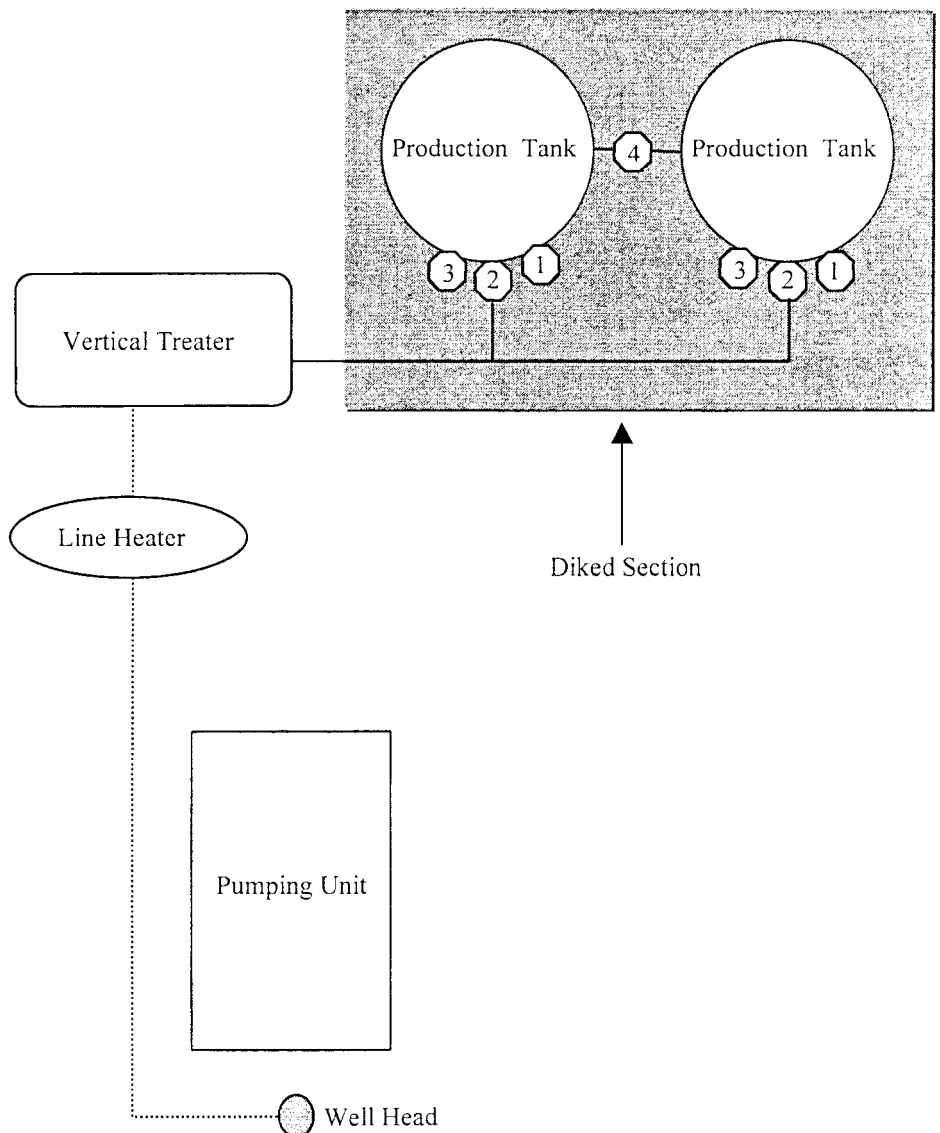
Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open

Earthen Pit →



Legend

Emulsion Line
Load Line	-----
Water Line	- - - - -
Oil Line	_____
Gas Sales	- . - . - .



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

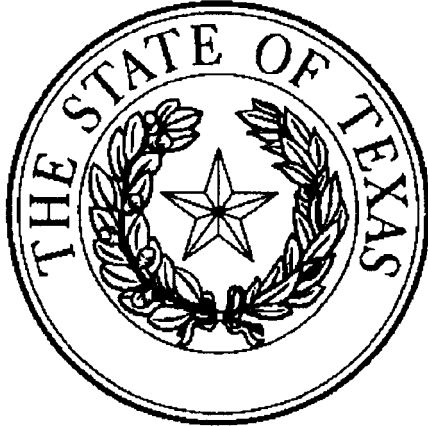
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.**Unit:****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ALLEN TRUST 7-24	24	040S	020W	4301330888	4970	Fee	OW	P
WELLS DRAW ST 7-36	36	080S	150E	4301330934	9730	State	GW	P
JENSEN 1	21	080S	160E	4301316208	10521	Federal	NA	PA
PLEASANT VALLEY 1	21	080S	160E	4301330394	10520	Federal	OW	P
LAMBERT FED 1	22	080S	160E	4301316207	10522	Federal	OW	P
MONUMENT BUTTE ST 16-36R	36	080S	160E	4301310159	11804	State	OW	P
ASHLEY FED 10-24R	24	090S	150E	4301315781	11992	Federal	OW	P
ASHLEY FED 12-24R	24	090S	150E	4301315782	11993	Federal	OW	P
CASTLE PK ST 43-16	16	090S	160E	4301330594	1181	State	OW	P
FEDERAL 9-23	23	090S	160E	4301330654	2655	Federal	OW	P
FEDERAL 7-23	23	090S	160E	4301330662	10629	Federal	OW	S
CASTLE PEAK FED 6-23	23	090S	160E	4301330873	9700	Federal	OW	P
CASTLE PK FED 12-24	24	090S	160E	4301330588	2650	Federal	OW	S
MONUMENT BUTTE 1-3	03	090S	170E	4301330642	12391	Federal	OW	P
MONUMENT BUTTE 2-3	03	090S	170E	4301330810	12391	Federal	OW	P
CASTLE DRAW 16-10-9-17	10	090S	170E	4301316218	8120	Federal	OW	S
FEDERAL 15-1-B	15	090S	170E	4301331023	10201	Federal	OW	S
FRED MORRIS FED 19-1	19	090S	170E	4301330587	451	Federal	OW	S
GOVERNMENT FOWLER 20-1	20	090S	170E	4301330563	9555	Federal	OW	P
FED 41-30	30	090S	170E	4301330601	6095	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1967 FNL 1985 FEL
SWNE Section 23 T9S R16E

5. Lease Serial No.

UTU-15855

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 7-23

9. API Well No.

4301330662

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield requests a change of status to TA this well. Newfield plans to Re-Complete this well in the near future in the following intervals.


Wait for infrastructure development and place back on production.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Kathy Chapman

Signature



Title

Office Manager

Date

01/30/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction


(Instructions on reverse)

RECEIVED

FEB 06 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 7-23
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1967 FNL 1985 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013306620000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/16/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above reference well was put on injection at 9:30 AM on 05/16/2014.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 20, 2014		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/20/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 7-23
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1967 FNL 1985 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013306620000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/24/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: 	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>The subject well has been converted from a producing oil well to an injection well on 04/24/2014. On 04/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/24/2014 the casing was pressured up to 1339 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.</p>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 4/29/2014		Accepted by the Utah Division of Oil, Gas and Mining May 14, 2014 Date: _____ By: 

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date: 4/24/2014 Time: 8:10 A.M.

Test Conducted by: Everett Unruh

Others Present: _____

Well:	Castle Peak Federal 7-23-9-16	Field:	Monument Butte
Well Location:	SWNE Sec 23 T9S R16E Duchesne County, UT	API No:	43-013-30662

Time	Casing Pressure
0 min	<u>1344</u> psig
5	<u>1343</u> psig
10	<u>1342</u> psig
15	<u>1342</u> psig
20	<u>1341</u> psig
25	<u>1340</u> psig
30 min	<u>1339</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing Pressure: 0 psig

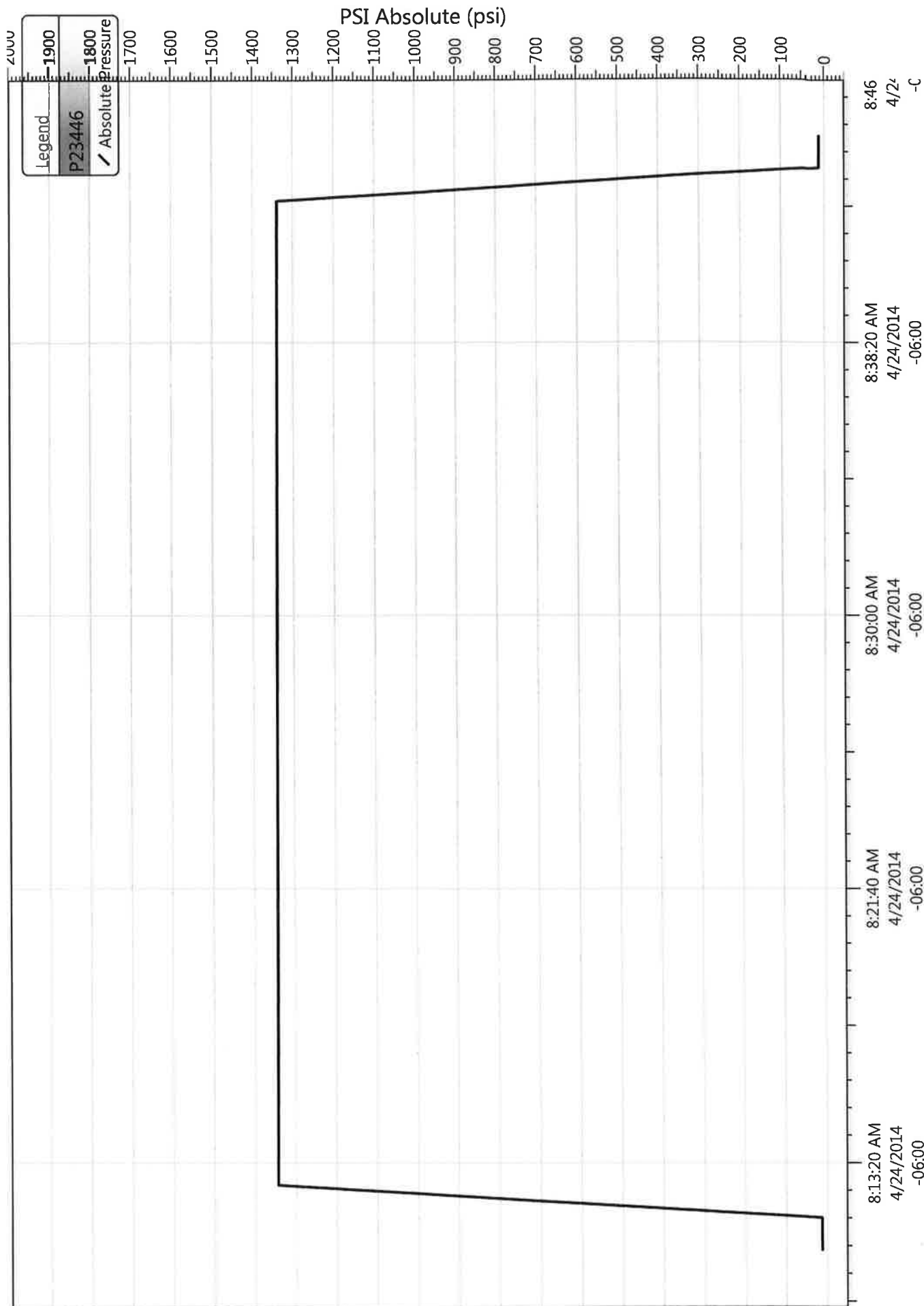
Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Unruh

Castle Peak Federal 7-23-9-16 (4-24-2014, Conv. MIT)

4/24/2014 8:09:14 AM



NEWFIELD



Job Detail Summary Report

Well Name: Federal 7-23-9-16

Jobs	
Primary Job Type Conversion	Job End Date 4/16/2014

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
4/16/2014	4/16/2014	MIRU	
Start Time	End Time	Comment	TRAVEL TIME
05:30	07:00		
Start Time	End Time	Comment	
07:00	08:30	HAD HOT OILER PUMP 50 BBL'S WATER DOWN CSG @ 250 F BY 7 AM. TRIED TO UNSEAT PUMP AND PARTED RODS ON PONY ROD, LD ROD AND TIH WITH FISHING ROD CATCH RODS AND PARTED RODS AGAIN, REPEAT 3 MORE TIMES	
Start Time	End Time	Comment	
08:30	09:30	ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR	
Start Time	End Time	Comment	
09:30	11:00	POOH WITH 30 JNTS TBG AND STRIP OUT ONE ROD AND ONE JNT TBG AT A TIME. TRIED TO UNSEAT PUMP AGAIN, UNSUCCESSFUL	
Start Time	End Time	Comment	
11:00	16:30	BACK OFF RODS AND POOH WITH RODS TO BACK OFF POINT (173 RODS TOTAL) STRIPPING OUT, HAD TO LD RODS DIRTY.	
Start Time	End Time	Comment	
16:30	17:15	HAVE HOT OILER CLEAN OFF WORK FLOOR AND HANDLING EQUIPMENT TO THE POINT WHERE WE CAN USE IT AGAIN.	
Start Time	End Time	Comment	
17:15	18:45	POOH WITH 62 JNTS TBG BREAKING EVERY CONNECTION CLEANING THREADS AND INSPECTING FOR DAMAGE, APPLY LIQUID O RING AND RETORQUE TO SPEC, TALLY OUT	
Start Time	End Time	Comment	
18:45	19:00	SWIFIN, CLEAN LOCATION, SDFN	
Start Time	End Time	Comment	
19:00	20:30	Travel time	
Report Start Date 4/17/2014 Report End Date 4/17/2014 24hr Activity Summary POOH with TBG			
Start Time	End Time	Comment	Travel Time
05:30	07:00		
Start Time	End Time	Comment	
07:00	13:00	CHECK TBG AND CSG PRESSURES, TBG 0 PSI, CSG 100 PSI BD WELL AND OPEN BOP. FINISH STRIPPING OUT OF WELL, HAD TO BACK OFF RODS AGAIN AND KEPT GETTING SHALLOW BACK OFF POINTS	
Start Time	End Time	Comment	
13:00	14:00	HAVE HOT OILER STEAM OFF WORK FLOOR AND ALL HANDLING EQUIPMENT DUE TO HIGH AMOUNTS OF OIL ON AMOUNTS OF OIL ON EQUIPMENT.	
Start Time	End Time	Comment	
14:00	14:45	TIH WITH STRIPPED TBG FROM DERRICK TO FLUSH	
Start Time	End Time	Comment	
14:45	15:30	FLUSH TBG WITH 50 BBL'S WATER @ 250 F	



Well Name: Federal 7-23-9-16

Job Detail Summary Report

Start Time	15:30	End Time	17:45	Comment
				POOH WITH REST OF TBG BREAKING EVERY CONNECTION AND CLEANING THREADS, INSPECTING THEM FOR DAMAGE OR GALLING AND APPLY LIQUID O RING AND RETORQUE TO SPEC.
Start Time	17:45	End Time	18:00	Comment
				SWIFN, CLEAN LOCATION, SDFN
Start Time	18:00	End Time	19:30	Comment
				Travel Time
Report Start Date	Report End Date	24hr Activity Summary		
4/21/2014	4/21/2014	FINISH PT TBG AND SET PACKER		
Start Time	05:30	End Time	07:00	Comment
				Travel Time
Start Time	07:00	End Time	07:30	Comment
				CHECK CSG PRESSURE, 80 PSI, BD WELL AND OPEN BOP
Start Time	07:30	End Time	10:00	Comment
				PUMU PACKER ASSY, TIH WITH 148 JNTS TBG, HAD TO FLUSH TBG 4 TIMES ON WAY IN, WE WERE STACKING OUT ON COLD OIL WHILE TTRIPPING IN.
Start Time	10:00	End Time	12:00	Comment
				FLUSH TBG WITH 50 BBLs WATER @ 250 F TO CLEAN TBG, FOLLOWED BY 50 BBLs WATER @ 80 F. DROP S.V. AND PUMP 50 BBLs, NEVER CAUGHT PRESSURE, LOAD ANOTHER 40 BBLs AND PUMP IT DOWN TBG. STILL DIDNT CATCH PRESSURE.
Start Time	12:00	End Time	12:30	Comment
				RU SANDLINE AND TOOLS, RIH TO PUSH S.V. TO PSN. POOH WITH TOOLS
Start Time	12:30	End Time	12:45	Comment
				PUMP 5 BBLs TO FILL TBG AND PT TBG TO 3000 PSI.
Start Time	12:45	End Time	17:00	Comment
				START TIMER AND PT TBG TO 3000 PSI, FAILED MULTIPLE TESTS, BUMP UP AND RETEST EVERY TIME, NEVER GOT A GOOD TBG TEST, BUMP UP TO 3200 PSI AND LEAVE FOR THE NIGHT. SWIFN, CLEAN LOCATION, SDFN
Start Time	17:00	End Time	18:30	Comment
				Travel time
Report Start Date	Report End Date	24hr Activity Summary		
4/22/2014	4/22/2014	FINISH PT TBG AND SET PACKER		
Start Time	05:30	End Time	07:00	Comment
				Travel time
Start Time	07:00	End Time	10:15	Comment
				CHECK TBG PRESSURE, TBG 1790 PSI, BUMP UP AND RETEST, EPT GETTING FAILED TESTS, LOSS OF 10 PSI IN 30 MIN.
Start Time	10:15	End Time	10:45	Comment
				RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND FISHING TOOLS, RD TOOLS.
Start Time	10:45	End Time	11:15	Comment
				PUMP 10 BBLs PAD AND DROP S.V. PUMP 50 BBLs AND NEVER CAUGHT PRESSURE



Well Name: Federal 7-23-9-16

Job Detail Summary Report

Start Time	11:15	End Time	11:45	Comment
				RU SANDLINE, RIH TO TAG S.V. PUSH TO PSN, POOH WITH SANDLINE
Start Time	11:45	End Time	13:45	Comment
				PUMP 10 BBLs AND PRESSURE UP TBG TO 3000 PSI, START TIMER AND PT TBG. FAILED TESTS, BUMP UP AND RETEST, FINALLY GOT A GOOD TBG TEST
Start Time	13:45	End Time	14:15	Comment
				RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND TOOLS.
Start Time	14:15	End Time	14:45	Comment
				FLUSH TBG WITH 50 BBLs WATER @ 250 F.
Start Time	14:45	End Time	15:30	Comment
				DROP NEW S.V. AND PT TBG TO 3000 PSI, LEAVE FOR THE NIGHT, SWIFN, CLEAN LOCATION, SDFN
Start Time	15:30	End Time	17:00	Comment
				Travel time
Report Start Date	4/23/2014	Report End Date	4/23/2014	24hr Activity Summary
				PT CSG
Start Time	05:30	End Time	07:00	Comment
				Travel Time
Start Time	07:00	End Time	12:30	Comment
				CHECK TBG PRESSURE, 2100 PSI, BUMP UP AND RETEST, MULTIPLE FAILED TESTS, FINALLY GOT A GOOD TBG TEST FOR 30 MIN @ 3100 PSI.
Start Time	12:30	End Time	13:15	Comment
				RU SANDLINE AND TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE.
Start Time	13:15	End Time	13:45	Comment
				RD WORKFLOOR, ND BOP, LAND TBG AND NU WH
Start Time	13:45	End Time	14:15	Comment
				PUMP 50 BBLs PACKER FLUID DOWN CSG
Start Time	14:15	End Time	14:30	Comment
				ND WH, SET PACKER, LAND TBG IN 15K TENSION, NU WH
Start Time	14:30	End Time	14:45	Comment
				PUMP TO FILL CSG, PRESSURE UP CSG TO 1400 PSI.
Start Time	14:45	End Time	17:00	Comment
				PT CSG TO 1400 PSI AND START TIMER, FAILED TEST, BUMP UP AND TEST AGAIN. STILL FAILED. BUMP UP AND LEAVE FOR THE NIGHT, SWIFN, CLEAN LOCATION, SDFN
Start Time	17:00	End Time	18:30	Comment
				Travel time
Report Start Date	4/24/2014	Report End Date	4/24/2014	24hr Activity Summary
				Complete Conversion Perform Initial MIT
Start Time	05:30	End Time	07:00	Comment
				Travel Time
Start Time	07:00	End Time	10:30	Comment
				CHECK CSG PRESSURE, 1400 PSI, WAIT FOR MIT TO SHOW UP AND TEST CSG. SHOW UP PERFORM MIT AND GOOD TEST. STEAM OFF TOOLS AND RIG FROM STRIPPING JOB. CLEAN UP AND PREP TO RD RIG.



Well Name: Federal 7-23-9-16

Job Detail Summary Report

Start Time	10:30	End Time	11:00	Comment On 04/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/24/2014 the casing was pressured up to 1339 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.
Start Time	11:00	End Time	12:00	Comment RD RIG, RACK OUT WINCH TRUCK AND TOOLS. PREP TO MOVE RIG TO NEXT LOCATION.
Start Time	12:00	End Time	12:30	Comment ROAD RIG TO THE G-20-9-17

NEWFIELD**Schematic****Well Name: Federal 7-23-9-16**

Surface Legal Location 1967' FNL & 1985' FEL SWNE SECTION 23-T9S-R16E			API/UWI 43013306620000	Well RC 500150872	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 7/21/1983	Rig Release Date 8/8/1983	On Production Date 8/26/1983	Original KB Elevation (ft)	Ground Elevation (ft) 5,706	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB)	Original Hole - 5,322.0

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 4/16/2014	Job End Date
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	--------------

TD: 5,373.0

Vertical - Original Hole, 4/28/2014 9:20:25 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (°...)	
12.1				<p>1; Surface; 8 5/8 in; 8.097 in; 12-281 ftKB; 269.00 ft</p> <p>2-1; Tubing; 2 7/8; 2.441; 12-4,820; 4,808.40</p> <p>2-2; Pump Seating Nipple; 2 7/8; 2.441; 4,820-4,822; 1.10</p> <p>2-3; On-Off Tool; 2 7/8; 2.441; 4,822-4,823; 1.50</p> <p>2-4; Packer; 5 1/2; 4.950; 4,823-4,830; 6.95</p> <p>2-5; Cross Over; 2 3/8; 1.991; 4,830-4,830; 0.50</p> <p>2-6; Tubing Pup Joint; 2 3/8; 4,830-4,835; 4.10</p> <p>2-7; XN Nipple; 2 3/8; 4,835-4,836; 1.60</p> <p>Perforated; 4,872-4,910; 8/11/1983</p> <p>2; Production; 5 1/2 in; 4.892 in; 12-5,373 ftKB; 5,361.00 ft</p>
279.9				
280.8				
1,483.9				
4,820.5				
4,821.5				
4,823.2				
4,830.1				
4,830.4				
4,834.6				
4,836.3				
4,872.0				
4,910.1				
5,321.9				
5,330.7				
5,332.3				
5,372.4				
5,373.0				

NEWFIELD**Newfield Wellbore Diagram Data
Federal 7-23-9-16**

Surface Legal Location 1967' FNL & 1985' FEL SWNE SECTION 23-T9S-R16E			API/UWI 43013306620000	Lease
County DUCHESENE	State/Province Utah	Basin Uintah Basin	Field Name GMBU CTB6	
Well Start Date 7/21/1983	Spud Date 7/21/1983	Final Rig Release Date 8/8/1983	On Production Date 8/26/1983	
Original KB Elevation (ft)	Ground Elevation (ft) 5,706	Total Depth (ftKB) 5,373.0	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,322.0

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	WW/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	7/26/1983	8 5/8	8.097	24.00	J-55	281
Production	8/8/1983	5 1/2	4.892	17.00	J-55	5,373

Cement**String: Surface, 281ftKB 7/26/1983**

Cementing Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 281.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 210	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,373ftKB 8/8/1983

Cementing Company	Top Depth (ftKB) 1,484.0	Bottom Depth (ftKB) 5,373.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 200	Class LODENSE	Estimated Top (ftKB) 1,484.0
Fluid Description	Fluid Type Tail	Amount (sacks) 300	Class GYPSEAL	Estimated Top (ftKB) 3,000.0

Tubing Strings

Tubing Description					Run Date	Set Depth (ftKB)		
Tubing					4/24/2014	4,836.2		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	148	2 7/8	2.441	6.50	J-55	4,808.40	12.0	4,820.4
Pump Seating Nipple		2 7/8	2.441	6.50	J-55	1.10	4,820.4	4,821.5
On-Off Tool		2 7/8	2.441	6.50	J-55	1.50	4,821.5	4,823.0
Packer		5 1/2	4.950			6.95	4,823.0	4,830.0
Cross Over		2 3/8	1.991		J-55	0.50	4,830.0	4,830.5
Tubing Pup Joint		2 3/8		6.50	J-55	4.10	4,830.5	4,834.6
XN Nipple		2 3/8			J-55	1.60	4,834.6	4,836.2

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
1	A-3 SAND, Original Hole	4,872	4,910				8/11/1983

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,000		31.0	2,600			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 130800 lb



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-418

Operator: Newfield Production Company
Well: Federal 7-23
Location: Section 23, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-30662
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 25, 2014.
2. Maximum Allowable Injection Pressure: 1,968 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,850' – 5,322'). The injection top is limited by the Federal 9-23 well (43-013-30654), located approximately 1/3 mile southeast of the Federal 7-23 well.
5. Any subsequent wells drilled within a 1/2 mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

5/15/2014
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 25, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 7-23, Section 23, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-30662

Newfield Production Company:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than **3,850** feet in the Federal 7-23 well. The injection top is limited by the nearby Federal 9-23 well (43-013-30654).

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 7-23-9-16

Location: 23/9S/16E **API:** 43-013-30662

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 281 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,373 feet. The cement bond log has a gap from 1,945 to 3,380 feet, but it indicates good cement bond up to at least 3,380 feet. A 2 7/8 inch tubing with a packer will be set at 4,822 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (5/15/2014), based on surface locations, there are 2 producing wells, 6 injection wells, 1 P/A well, and 1 temporarily abandoned well (the proposed injection well) in the AOR. In addition, there are 2 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location outside the AOR for a directional well to be drilled to a bottom hole location inside the AOR. Most of the wells have evidence of adequate casing and cement for the proposed injection interval. However, the Federal 9-23-9-16 well (API# 43-013-30654), appears to have inadequate cement for the proposed injection interval. Its CBL (4/1/1983) indicates a suitable cement bond top at about 3,676 feet. To protect this wellbore Newfield will not perforate the Federal 7-23-9-16 well above 3,850 feet (see next paragraph).

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2200 feet. The requested injection interval is between 3,771 feet and 5,322 feet in the Green River Formation. However, as described in the previous paragraph, the top of good cement bond is at about 3,676 feet in the Federal 9-23-9-16 well, located approximately 1/3 mile southeast of the Federal 7-23-9-16 well. This cement top correlates to about 3,750 feet in the 7-23-9-16 well. For this reason, it is recommended that the top of the injection interval be permitted no higher than a depth of 3,850 feet in the Federal 7-23-9-16 well. Information submitted by Newfield indicates that the fracture gradient for the 7-23-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for

the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,968 psig. The requested maximum pressure is 1,968 psig. The anticipated average injection

Federal 8-23-9-16

page 2

pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the

Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 3/21/2014 (revised 5/15/2014)

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED. TAX I.D.# 87-0217663
801-204-6910

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PROOF OF PUBLICATION

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CUSTOMER NAME AND ADDRESS	RECEIVED	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	MAR 05 2014 DIV OF OIL-GAS & MINING	900	

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE
8015385340	0000941195 /
SCHEDULE	
Start 02/22/2014	End 02/22/2014
CUST. REF. NO.	
Newfield Cause UIC-418	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATU	
SIZE	
96 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
327.56	

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STA
CAUSE NO. UIC-418 IN THE MATTER OF THE APPLICA FOR **DIV OF OIL-GAS & MINING,** WAS PUBLISHED
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, S
NOTICE IS ALSO POSTED ON UTAHLEGAL.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE
UTAHLEGAL.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104.

PUBLISHED ON Start 02/22/2014 End 02/22/2014

SIGNATURE

DATE 2/25/2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 9, 13, 16, 17, 20, 22, AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East
API 43-013-32912
Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East
API 43-013-32951
Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East
API 43-013-32907
Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East
API 43-013-32913
Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33053
South Wells Draw 15-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East
API 43-013-32044
Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32659
Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32655
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East
API 43-013-32649
State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-31022
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33032
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33108
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-31647
Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-30662

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

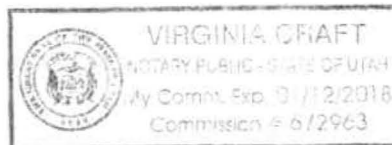
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
s/ Brad Hill
Permitting Manager

941195

UPAXLP



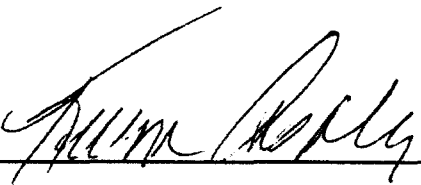
Virginia Craft
NOTARY SIGNATURE

2250/REB/GGOICADMIN/GF13/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 25 day of February, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 25 day of February, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

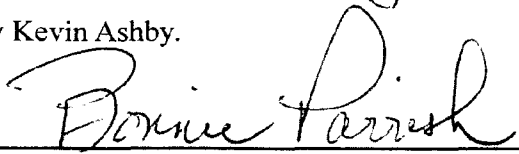


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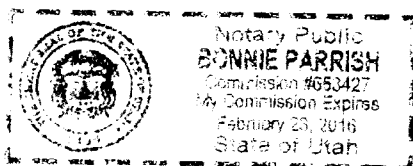
Subscribed and sworn to before me on this

26 day of February, 20 14

by Kevin Ashby.



Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPART- MENT OF NATURAL RESOURCES, STATE OF UTAH, NOTICE OF AGENCY ACTION, CAUSE NO. UIC-418

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTIONS 25
and 26, TOWNSHIP
9 SOUTH, RANGE
15 EAST, and
SECTIONS 9, 13,
16, 17, 20, 22, and
23, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
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Notice is hereby
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sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
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1001 17th Street,
Suite 2000, Denver,
Colorado 80202, tele-

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South, Range 15 East
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Federal 10-20-9-16
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Monument Federal
11-22-9-16Y well lo-
cated in NW/4 NW/4,
Section 22, Township

City, UT 84114-5801,
phone number (801)
538-5340. If such
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aforementioned ad-
ministrative procedur-
al rules. Protestants
and/or interveners
should be prepared
to demonstrate at
the hearing how this
matter affects their
interests.

Dated this 18th day
of February, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING

/s/

Brad Hill
Permitting Man-
ager

Published in the
Uintah Basin Stan-
dard February 25, 2014.

Formation will be
used for water injec-
tion. The maximum
requested injection
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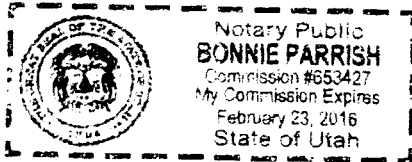
Any person
desiring to object to
the application or
otherwise intervene
in the proceeding,
must file a written
protest or notice of
intervention with
the Division within
fifteen days following
publication of this
notice. The Division's
Presiding Officer
for the proceeding is
Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake

26 day of February, 20 14

by Kevin Ashby.

Bonnie Parrish

Notary Public



IN SECTIONS 23
and 26, TOWNSHIP
9 SOUTH, RANGE
15 EAST, and
SECTIONS 9, 13,
16, 17, 20, 22, and
23, TOWNSHIP 9
SOUTH, RANGE 16
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Suite 2000, Denver,
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phone 303-893-0102,
for administrative
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Township 9 South,
Range 16 East
API 43-013-30662

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will be conducted in
accordance with Utah
Admin. R649-10,
Administrative Proce-
dures.

Selected zones
in the Green River

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33053
South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East
API 43-013-32044
Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32659
Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32655
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East
API 43-013-32649
State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-31022
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33032
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33108
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-31647
Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-30662

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill
Permitting Manager

Newfield Production Company

**ASHLEY FEDERAL 14-25-9-15, ASHLEY FEDERAL 16-25-9-15,
ASHLEY FEDERAL 14-26-9-15, ASHLEY FEDERAL 16-26-9-15,
FEDERAL 14-9-9-16, SOUTH WELLS DRAW 16-9-9-16,
FEDERAL 2-13-9-16, FEDERAL 8-13-9-16, FEDERAL 14-13-9-16,
STATE 16-1-O, FEDERAL 9-17-9-16, FEDERAL 10-20-9-16,
MONUMENT FEDERAL 11-22-9-16Y, FEDERAL 7-23.**

Cause No. UIC-418

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

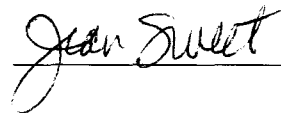
Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 20, 2014

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure





Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-418

UB Standard Legals <ubslegals@ubmedia.biz>
To: Jean Sweet <jsweet@utah.gov>

Thu, Feb 20, 2014 at 3:52 PM

On 2/20/2014 9:52 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

—

Jean Sweet
Executive Secretary
Utah Division of Oil, Gas and Mining
801-538-5329

Received. It will be published Feb. 25.

Thank you.

Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 20, 2014

Via e-mail naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Order Confirmation for Ad #0000941195-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114

Fax	801-359-3940	Ordered By	Acct. Exec
Email	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$327.56	Tear Sheets	Proofs	Affidavits
Payment Amt	\$0.00			
Amount Due	\$327.56	0	0	1
Payment Method		PO Number	Newfield Cause UIC-4	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	2.0 X 96 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	2/22/2014	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	2/22/2014	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	2/22/2014	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-895-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injector wells:

Greater Monument Butte Unit:
Ashley Federal 14-25-9-15 well located in SE 4 SW 4, Section 25, Township 9 South, Range 15 East
API 43-013-32912
Ashley Federal 16-25-9-15 well located in SE 4 SE 4, Section 25, Township 9 South, Range 15 East
API 43-013-32951
Ashley Federal 14-26-9-15 well located in SE 4 SW 4, Section 26, Township 9 South, Range 15 East
API 43-013-32907
Ashley Federal 16-26-9-15 well located in SE 4 SE 4, Section 26, Township 9 South, Range 15 East
API 43-013-32913
Federal 14-9-9-16 well located in SE 4 SW 4, Section 9, Township 9 South, Range 16 East
API 43-013-33053
South Wells Draw 16-9-9-16 well located in SE 4 SE 4, Section 9, Township 9 South, Range 16 East
API 43-013-32044
Federal 2-13-9-16 well located in NW 4 NE 4, Section 13, Township 9 South, Range 16 East
API 43-013-32659
Federal 9-13-9-16 well located in SE 4 NE 4, Section 13, Township 9 South, Range 16 East
API 43-013-32655
Federal 14-13-9-16 well located in SE 4 SW 4, Section 13, Township 9 South, Range 16 East
API 43-013-32649
State 16-1-0 well located in SW 4 SE 4, Section 16, Township 9 South, Range 16 East
API 43-013-31022
Federal 9-17-9-16 well located in NE 4 SE 4, Section 17, Township 9 South, Range 16 East
API 43-013-33032
Federal 10-20-9-16 well located in NW 4 SE 4, Section 20, Township 9 South, Range 16 East
API 43-013-33108
Monument Federal 11-22-9-16 well located in NW 4 NW 4, Section 22, Township 9 South, Range 16 East
API 43-013-31647
Federal 7-23 well located in SW 4 NE 4, Section 23, Township 9 South, Range 16 East
API 43-013-30662

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestors and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
s.
Brad Hill
Permitting Manager

941195

UPAXIP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

February 7, 2014

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RECEIVED

FEB 10 2014

RE: Permit Application for Water Injection Well
Federal #7-23-9-16
Monument Butte Field, Lease #UTU-15855
Section 23-Township 9S-Range 16E
Duchesne County, Utah

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #7-23-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,


Jill L. Loyle
Regulatory Associate

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #7-23-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-15855
FEBRUARY 7, 2014

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COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
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ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Federal #7-23-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-15855
Well Location: QQ SWNE section 23 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []

Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
 Disposal? Yes [] No [X]
 Storage? Yes [] No [X]

Is this application for a new well to be drilled? Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]

Date of test: _____
API number: 43-013-30662

Proposed injection interval: from 3771 to 5322
Proposed maximum injection: rate 500 bpd pressure 1968 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
 accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Jill L Loyle Signature 
Title Regulatory Associate Date 2/7/14
Phone No. (303)383-4135

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

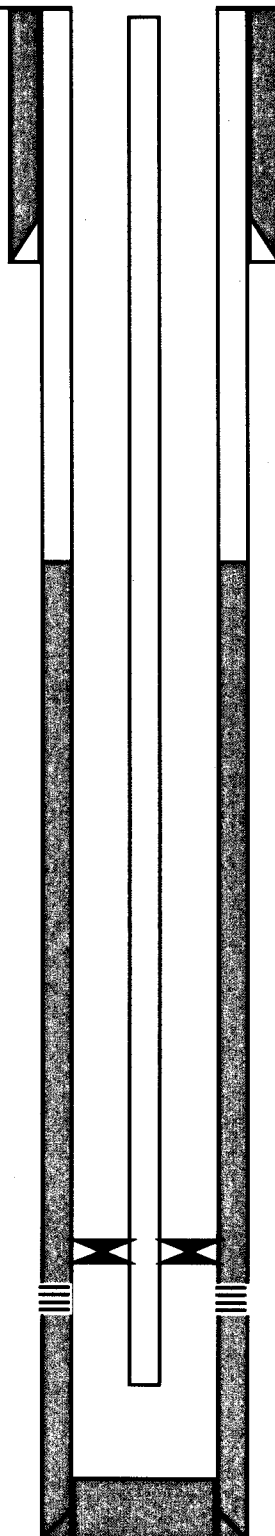
Federal #7-23

Well History:

7-26-83 Spud Well
 8-11-83 Perf: 4,872'-4,878', 4,890'-4,910'
 Frac A-3 zone as follows:
 Totals 38,000 gal, 130,800# 20/40 sd
 Max TP 2,600 @ 31 BPM
 Avg TP 2,000 @ 31 BPM
 ISIP 2,000, after 5 min 1,450

Proposed Injection Wellbore Diagram

2-7/8" 6.5 J-55 TBG @ 4,894'



GL: 5,706'
 Surface Hole Size: 12 1/4"
 Hole Size: 7 7/8"
 Rods: 188-3/4"
 8-5/8" Surface CSG @ 281'
 Cement Top @ 1,484'
 5-1/2" J-55 CSG @ 5,373'
 Packer @ 4,822'
 Perf's: 4,872'-78', 4,890'-4,910'(A-1)
 PBTD @ 5,322'
 TD @ 5,400'

NEWFIELD

Federal #7-23
 1967 FNL 1985 FEL
 SWNE Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30662; Lease #U-15855

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #7-23-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #7-23-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3771' - 5322'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3449' and the TD is at 5400'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #7-23-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-15855) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 281' KB, and 5-1/2", 15.5# casing run from surface to 5373' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1968 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #7-23-9-16, for existing perforations (4872' - 4910') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1968 psig. We may add additional perforations between 3449' and 5400'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #7-23-9-16, the proposed injection zone (3771' - 5322') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

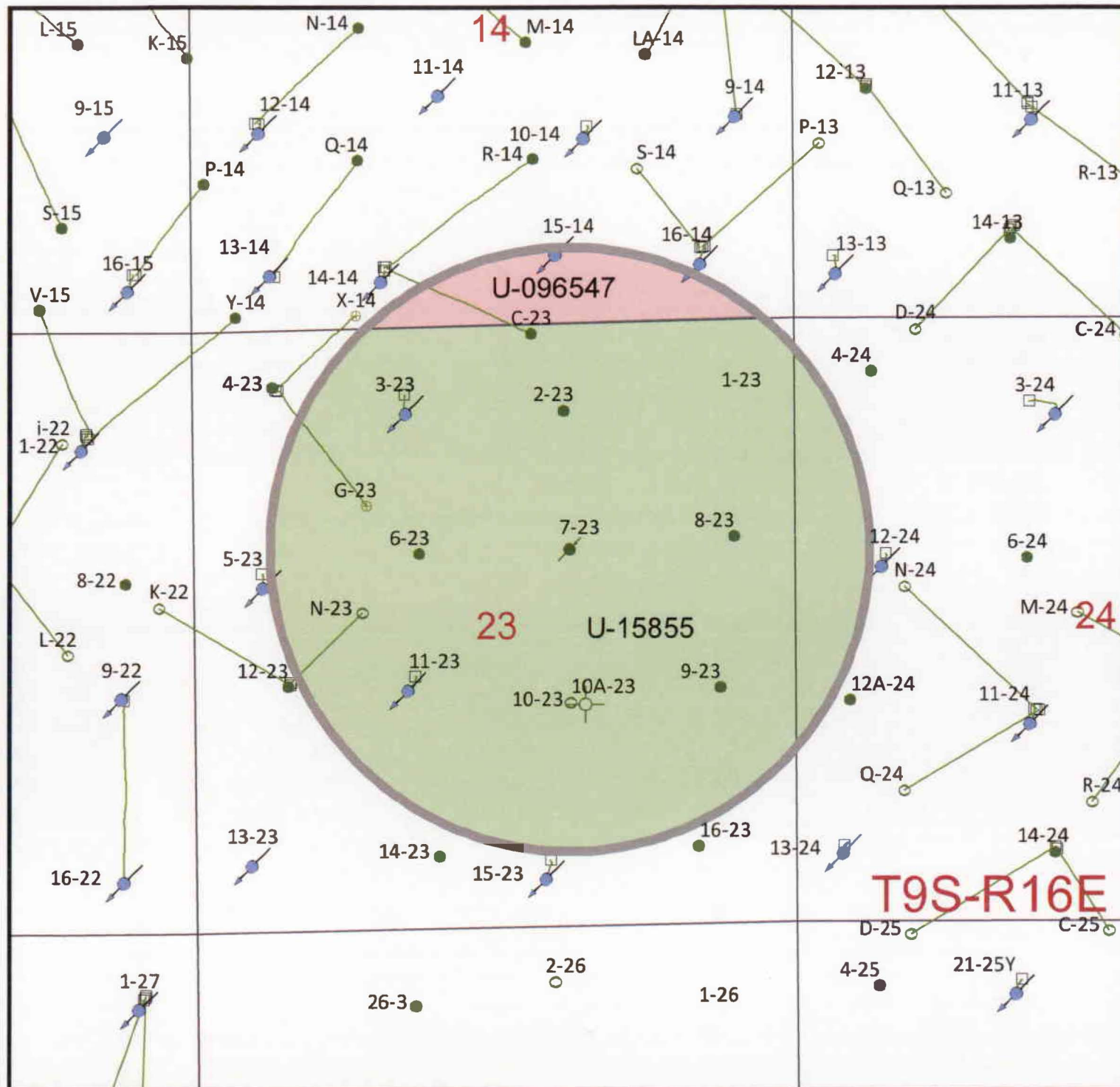
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A



Lease Number

 U-096547

U-15855

Half-Mile Buffer

Well Status

- **Location**

Surface Spud

④ Drilling

⊕ Waiting on Completion

- Producing Oil Well

Producing Gas Well

 Water Injection Well

 Dry Hole

Temporarily Abandoned

Plugged & Abandoned

 Shut In

☐ **Well Surface Location**

Federal 7-23-9-16
Section 23, T9S-R16E



1/2 Mile Radius Map

Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

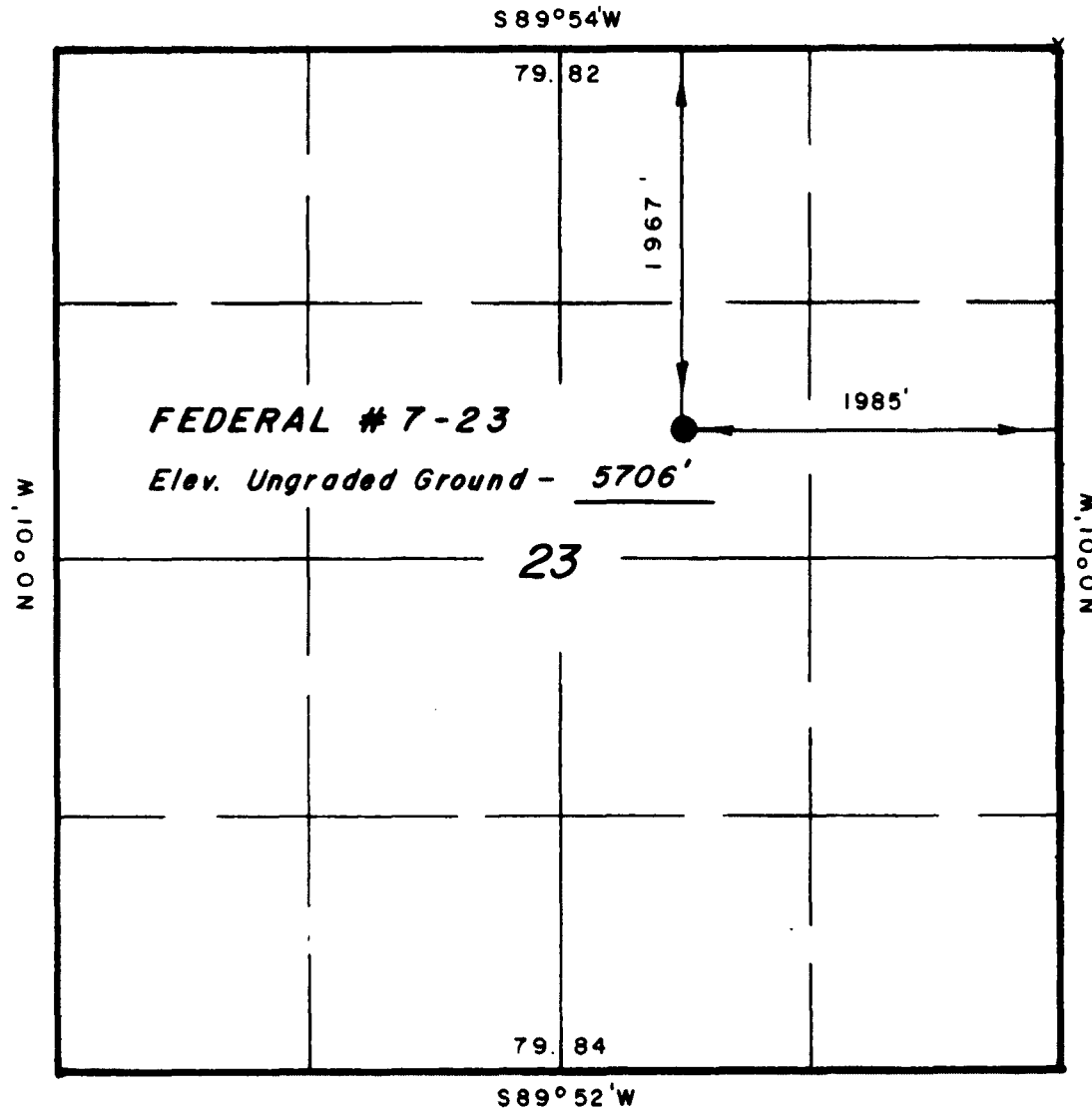
Jan. 6, 2014

ATTACHMENT A-1

PROJECT
LOMAX EXPLORATION CO.

Well location, *FEDERAL #7-23*,
located as shown in the SW 1/4 NE 1/4
Section 23, T9S, R16E, S.L.B.&M.
Duchesne County, Utah.

T 9 S, R 16 E, S.L.B.&M.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

John Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000"	DATE	12 / 2 / 81
PARTY	G.S. B.W. S.B.	REFERENCES	GLO Plat
WEATHER	FAIR	FILE	LOMAX EXPLOR

X = Section Corners Located

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
2	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA

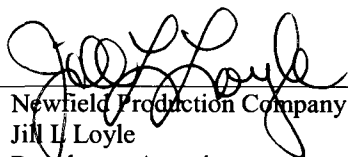
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #7-23-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 7th day of February, 2014.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15

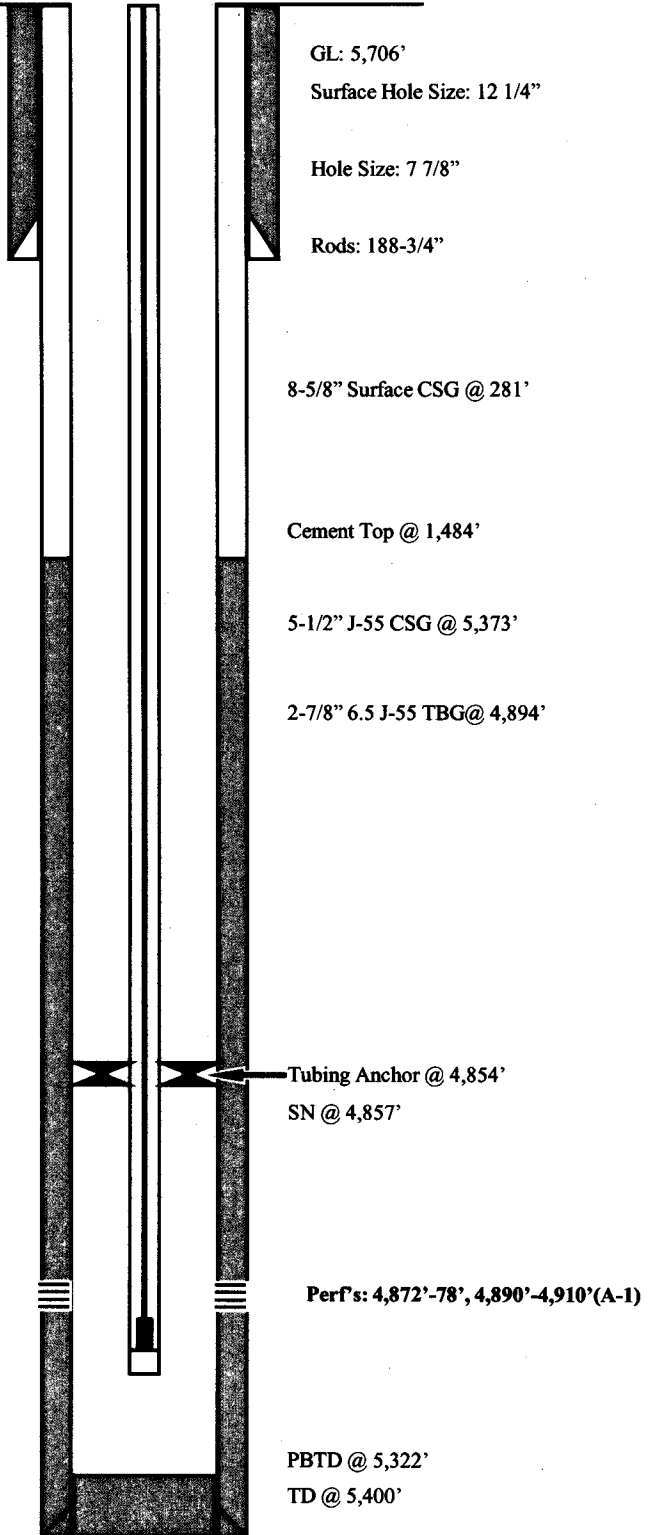
LYDIA BIONDO
Notary Public
State of Colorado

Federal #7-23

Wellbore Diagram

Well History:

7-26-83 Spud Well
 8-11-83 Perf: 4,872'-4,878', 4,890'-4,910'
 Frac A-3 zone as follows:
 Totals 38,000 gal, 130,800# 20/40 sd
 Max TP 2,600 @ 31 BPM
 Avg TP 2,000 @ 31 BPM
 ISIP 2,000, after 5 min 1,450



Federal #7-23
 1967 FNL 1985 FEL
 SWNE Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30662; Lease #U-15855

FEDERAL 1-23-9-16

Spud Date: 12/06/07
Put on Production: 02/11/08
GL: 5651' KB: 5663'

Initial Production: BOPD,
MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (309.17')
DEPTH LANDED: 321'
HOLE SIZE: 12 1/4"
CEMENT DATA: To Surface w/160sx of class 'G' cement

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5815'
DEPTH LANDED: 5784'
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sx of Primplite II and 400 sx of 50/50 poz.
CEMENT TOP: 91'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 170 jts (5430.4')
TUBING ANCHOR: 5442' KB
NO. OF JOINTS: 1 jt (31.4')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5476.7' KB
NO. OF JOINTS: 2 jts (62.8')
TOTAL STRING LENGTH: EOT @ 5541' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-2", 1-4" x 3/4" pony rod, 2-8" x 3/4" pony rods, 99- 3/4" guided rods, 89- 3/4" sucker rods, 20- 3/4" guided rods, 6- 1 1/2" sinker bars
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12" x 16" RHAC
STROKE LENGTH: 86"
PUMP SPEED: 5 SPM

FRAC JOB

2/19/08 5365-5373

Frac CP1 sds w/ 22,746#s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Calc flush: ? Actual Flush: 4830 gals.

2/19/08 4898-4916

Frac A1 & A3 sds w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.

2/19/08 4951-4963

Frac A1 & A3 sds w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.

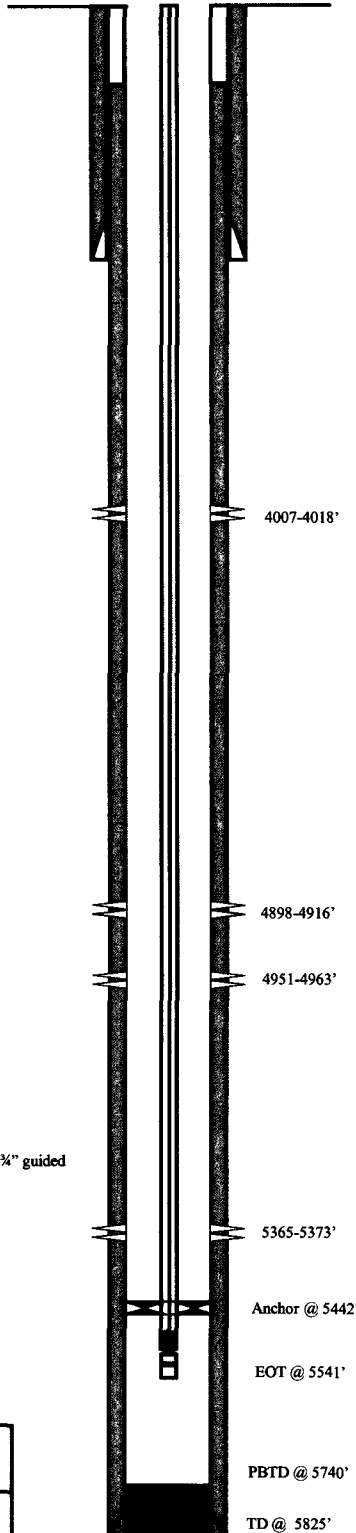
2/19/08 4007-4018

Frac GB6 sds w/ 43,024#s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Calc flush: ? Actual Flush: 3948 gals.

10/8/08 Pump change. Updated rod & tubing details.
2/1/2010 Pump change. Updated rod and tubing detail.
12/22/2010 Tubing Leak. Update rod and tubing details
01/18/2011 Pump Change. Rods & tubing details updated.

PERFORATION RECORD

02/12/08	5365-5373	4 JSPF	32 holes
02/19/08	4951-4963	4 JSPF	48 holes
02/19/08	4898-4916	4 JSPF	72 holes
02/19/08	4007-4018	4 JSPF	44 holes



NEWFIELD

FEDERAL 1-23-9-16

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-15855

Spud Date: 12/06/07
 Put on Production: 02/11/08
 GL: 5678' KB: 5690'

FEDERAL 2-23-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (312 96')
 DEPTH LANDED: 324.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts (5818 10')
 DEPTH LANDED: 5831.23' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 poz.
 CEMENT TOP: 156'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO OF JOINTS: 139 jts (4426 9')
 SEATING NIPPLE: 2-7/8" (1 10')
 SN LANDED AT: 4438.9' KB
 ON/OFF TOOL AT: 4440 1'
 ARROW #1 PACKER CE AT: 4445 2'
 XO 2-3/8 x 2-7/8 J-55 AT: 4448 8'
 TBG PUP 2-3/8 J-55 AT: 4449 4'
 X/N NIPPLE AT: 4453 5'
 TOTAL STRING LENGTH: EOT @ 4454 74'

FRAC JOB

02/05/08 4910-4938' **Frac A1 sands as follows:**
 170350# 20/40 sand in 1190 bbl Lightning 17
 frac fluid. Treated @ avg press of 1318 psi
 w/avg rate of 23.6 BPM. ISIP 1809 psi.

02/06/08 4621-4629' **Frac C sands as follows:**
 14890# 20/40 sand in 264 bbl Lightning 17
 frac fluid. Treated @ avg press of 1847 psi
 w/avg rate of 23.5 BPM. ISIP 1806 psi.

02/06/08 4493-4500' **Frac D1 sands as follows:**
 9119# 20/40 sand in 237 bbls Lightning 17
 frac fluid. Treated @ avg press of 2210 psi
 w/avg rate of 23.5 BPM. ISIP 2083 psi.

8-1-08 **Pump change** Updated rod & tubing details
 12/21/09 **Pump change** Updated rod and tubing detail
 02/13/14 **Convert to Injection Well**
 02/19/14 **Conversion MIT Finalized** - update tbg
 detail

Cement Top @ 156'

SN @ 4439'
 On Off Tool @ 4440'
 Packer @ 4445'
 X/N Nipple @ 4453'
 EOT @ 4455'

4493-4500'

4621-4629'

4910-4938'

PBTD @ 5757'

SHOE @ 5831'

TD @ 5835'

PERFORATION RECORD

4910-4938' 4 JSPF 112 holes
 4621-4629' 4 JSPF 32 holes
 4493-4500' 4 JSPF 28 holes

NEWFIELD

FEDERAL 2-23-9-16

760' FNL & 2032' FFI

NW/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33003; Lease # UTU-15855

FEDERAL 3-23-9-16

Spud Date: 01/08/08

Put on Production: 03/07/08

GL:5680' KB:5692'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (284.85')

DEPTH LANDED: 296.70' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 130 jts. (5811.31')

DEPTH LANDED: 5781.17' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz

CEMENT TOP: 92'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 124 jts (3889.7')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3901.7' KB

ON/OFF TOOL AT: 3902.8'

ARROW #1 PACKER CE AT: 3907'

XO 2-3/8 x 2-7/8 J-55 AT: 3911.6'

TBG PUP 2-3/8 J-55 AT: 3912.1'

X/N NIPPLE AT: 3916.1'

TOTAL STRING LENGTH: EOT @ 3917.5'

Cement Top @ 92'

Casing Shoe @ 297'

SN @ 3902'

On Off Tool @ 3903'

Packer @ 3907'

X/N Nipple @ 3916'
EOT @ 3917'

3956-3968'

4477-4484'

4612-4621'

4739-4748'

4937-4949'

PBSD @ 5737'

SHOE @ 5781'

TD @ 5800'

FRAC JOB

02/28/08 4937-4949'

Frac A3 sands as follows:60177# 20/40 sand in 519 bbls Lightning 17
frac fluid. Treated @ avg press of 2021 psi
w/avg rate of 23.3 BPM. ISIP 2150 psi.

02/28/08 4739-4748'

Frac B2 sands as follows:40603# 20/40 sand in 407 bbl Lightning 17
frac fluid. Treated @ avg press of 1923 psi
w/avg rate of 23.2 BPM. ISIP 1964 psi.

02/28/08 4612-4621'

Frac C sands as follows:25535# 20/40 sand in 350 bbls Lightning 17
frac fluid. Treated @ avg press of 2360 psi
w/avg rate of 23.1 BPM. ISIP 2760 psi.

02/28/08 4477-4484'

Frac D1 sands as follows:20500# 20/40 sand in 300 bbls Lightning 17
frac fluid. Treated @ avg press of 2099 psi
w/avg rate of 23.2 BPM. ISIP 2016 psi.

02/28/08 3956-3968'

Frac GB4 sands as follows:23017# 20/40 sand in 301 bbls Lightning 17
frac fluid. Treated @ avg press of 1777 psi
w/avg rate of 23.0 BPM. ISIP 1817 psi.

10/11/11

Parted Rods. Updated rod & tubing detail.

11/20/12

Convert to Injection Well

11/21/12

Conversion MIT Finalized - update tbg
detailPERFORATION RECORD

4937-4949'	4 JSPF	48 holes
4739-4748'	4 JSPF	36 holes
4612-4621'	4 JSPF	36 holes
4477-4484'	4 JSPF	28 holes
3956-3968'	4 JSPF	48 holes

NEWFIELD**FEDERAL 3-23-9-16**586' FNL & 1849' FWL
NE/NW Section 23-T9S-R16E
Duchesne Co, Utah

API #43-013-33176; Lease #UTU-15855

Spud Date: 1/17/08
Put on Production: 3-5-08
GL: 5749' KB: 5761'

Federal 5-23-9-16

Injection Wellbore Diagram

SURFACE CASING

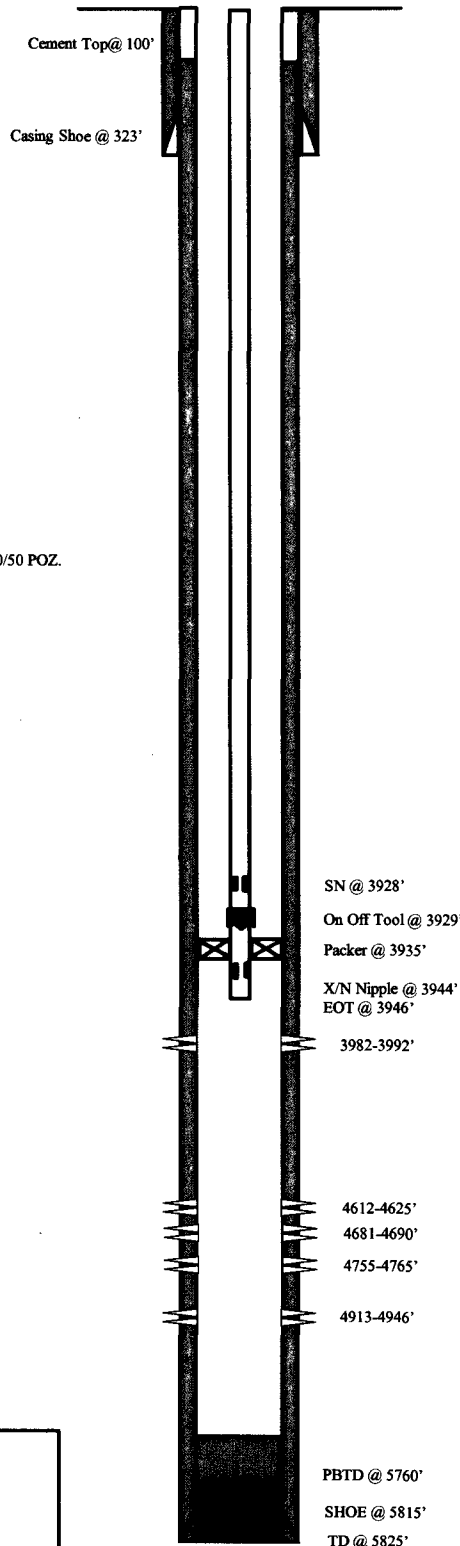
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (311.39')
HOLE SIZE: 12-1/4"
DEPTH LANDED: 323.24'
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (5781.03')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5814.84'
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 100'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 123 jts (3915.9')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3927.9' KB
ON/OFF TOOL AT: 3929.0'
ARROW #1 PACKER CE AT: 3934.8'
XO 2-3/8 x 2-7/8 J-55 AT: 3937.7'
TBG PUP 2-3/8 J-55 AT: 3938.2'
X/N NIPPLE AT: 3944.4'
TOTAL STRING LENGTH: EOT @ 3946'



FRAC JOB

2-27-08 4913-4946' **Frac A1 sands as follows:**
Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM. ISIP 2132 psi.

2-27-08 4755-4765' **Frac B2 sands as follows:**
Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM. ISIP 1900 psi.

2-27-08 4681-4690' **Frac B.5 sands as follows:**
Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM. ISIP 1943 psi.

2-27-08 4612-4625' **Frac C sand as follows:**
Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM. ISIP 2346 psi.

2-27-08 3982-3992' **Frac GB6 sands as follows:**
Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM. ISIP 1825 psi.

1/24/09 **Pump Change.** Updated r & t details.

12/11/12 **Convert to Injection Well**

12/12/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

3982-3992'	4 JSPF	40 holes
4612-4625'	4 JSPF	52 holes
4681-4690'	4 JSPF	36 holes
4755-4765'	4 JSPF	40 holes
4913-4946'	4 JSPF	132 holes

NEWFIELD

Federal 5-23-9-16
2125' FNL & 595' FWL
SWNW Section 23-T9S-R16E
Duchesne Co, Utah
API #43-013-32960; Lease #UTU-15855

Castle Peak Federal 6-23-9-16

Spud Date: 7-30-84

Put on Production: 9-11-84

GL: 5725' KB: 5739'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (295 0')

DEPTH LANDED: 295'

HOLE SIZE: 12-1/4"

CEMENT DATA: 210sxs Class "G" cmt + 2" CaCl + sk Floccle

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 17#

LENGTH: 140 jts (5497 24')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 5495 95'

CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal

CEMENT TOP AT: 000'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 145 jts (4545 3')

SEATING NIPPLE: 2-7/8" (1 10')

SN LANDED AT: 4558 3' KB

ON/OFF TOOL AT: 4559 4'

ARROW #1 PACKER CE AT: 4564 6'

XO 2-3/8 x 2-7/8 J-55 AT: 4568 3'

TBG PUP 2-3/8 J-55 AT: 4569'

X/N NIPPLE AT: 4573 1'

TOTAL STRING LENGTH: EOT @ 4574 65'

FRAC JOB

8-22-84 4926-4949'

Frac sands as follows:

Frac with 28500# 20/40 sand in
96500bbls Lightning 17 fluid

3/12/11

Tubing Leak. Updated rod and tubing detail

02/27/14 4685-4737'

Frac B.5 & B2 sands as follows:

22138# 20/40 sand in 282 bbls Lightning 17
frac fluid.

02/27/14 4685-4737'

Frac C sands as follows: 31402# 20/40 sand
in 282 bbls Lightning 17 frac fluid.

03/04/14

Conversion MIT Finalized - update rbg
detail

SN @ 4558'

On Off Tool @ 4559'

Packer @ 4565'

X/N Nipple @ 4573'

EOT @ 4575'

4617-4625'

4685-4687'

4735-4737'

4926-4930'

4933-4937'

4940-4945'

4947-4937'

PBTD @ 5444'

TD @ 5500'

PERFORATION RECORD

4926-4930'	1 JSPF	4 holes
4933-4937'	1 JSPF	4 holes
4940-4945'	1 JSPF	5 holes
4947-4949'	1 JSPF	2 holes
4735-4737'	3 JSPF	6 holes
4685-4687'	3 JSPF	6 holes
4617-4625'	3 JSPF	24 holes

NEWFIELD

Castle Peak Federal 6-23-9-16

1970'FWL & 1980'FNL

Section 23, T9S, R16E

Duchesne Co, Utah

API # 43-013-30873; Lease # UTU-15855

NEWFIELD

Schematic

Well Name: Federal 8-23-9-16

43-013-32961

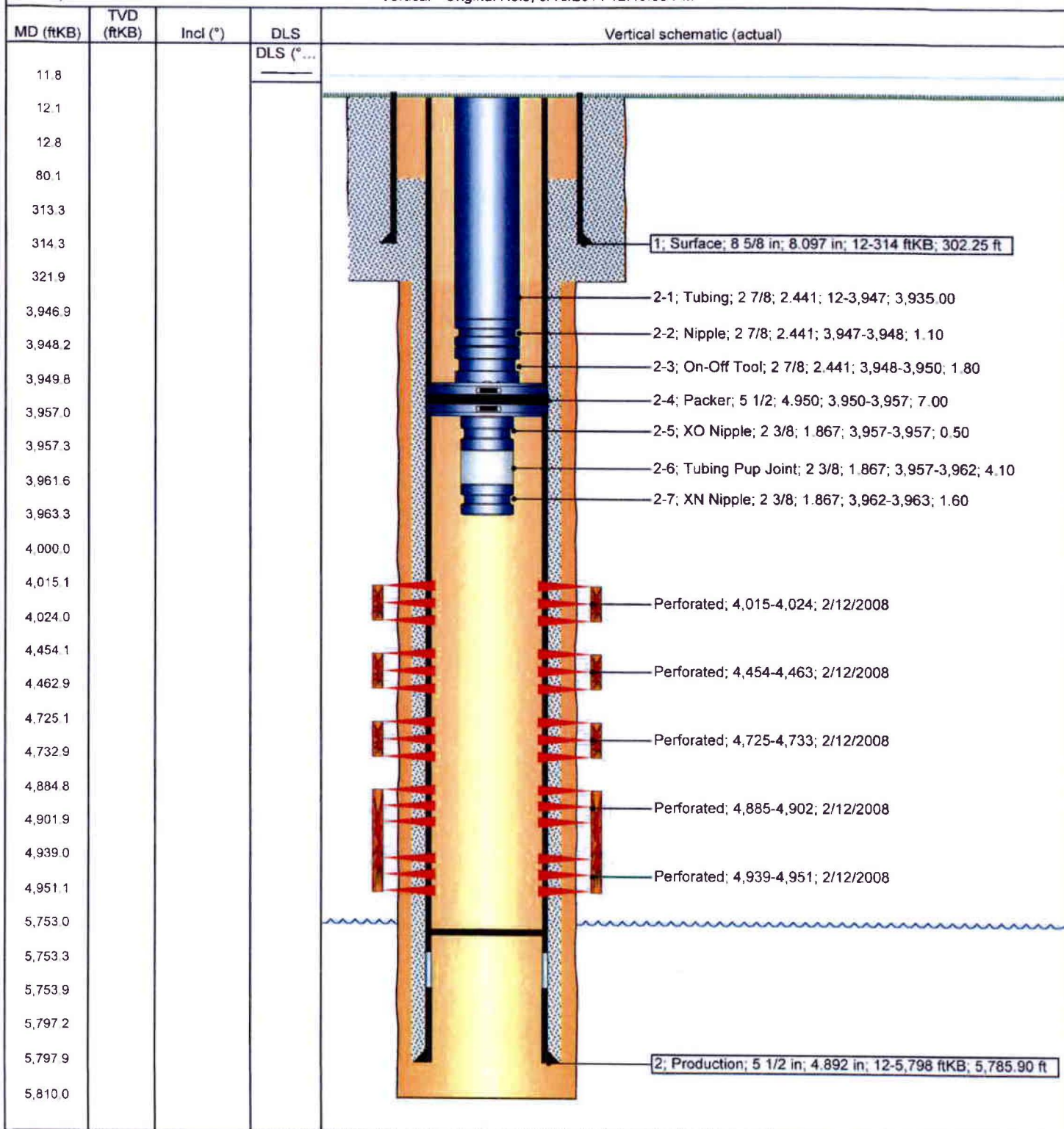
Surface Legal Location 23-9S-16E	API/UWI 43013329610000	Well RC 500159250	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date	Rig Release Date 2/14/2008	On Production Date 2/14/2008	Original KB Elevation (ft) 5,697	Ground Elevation (ft) 5,685	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,753.0

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 2/14/2014	Job End Date
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	--------------

TD: 5,810.0

Vertical - Original Hole, 3/10/2014 12:40:08 PM



Spud Date: 1-15-08
 Put on Production: 3-7-08
 GL: 5726' KB: 5738'

FEDERAL 11-23-9-16

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.09')
 DEPTH LANDED: 320.94' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts (5775.25')
 DEPTH LANDED: 5768.37' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 26'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 124 jts (3903.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3915.0' KB
 ON/OFF TOOL AT: 3916.1'
 ARROW #1 PACKER CE AT: 3922'
 XO 2-3/8 x 2-7/8 J-55 AT: 3925.1'
 TBG PUP 2-3/8 J-55 AT: 3925.6'
 X/N NIPPLE AT: 3929.8'
 TOTAL STRING LENGTH: EOT @ 3931'

FRAC JOB

03-04-08 4565-4586' **Frac C sands as follows:**
 90836# 20/40 sand in 686 bbls Lightning 17
 frac fluid. Treated @ avg press of 2017 psi
 w/avg rate of 23.1 BPM. ISIP 2180 psi. Calc
 flush: 4563 gal. Actual flush: 4477 gal.

06/05/2008 3953-3959' **Frac GB6, sands as follows:**
 16621# 20/40 sand in 206 bbls Lightning 17
 frac fluid. Treated @ avg. press. of 2261 psi
 w/avg. rate of 15 BPM. ISIP 1696 psi.


06/05/2008 4850-4863' **Frac A1, sands as follows:**
 50043# 20/40 sand in 446 bbls Lightning 17
 frac fluid. Treated @ ave. press. of 3342
 psi w/avg. rate 15 BPM. ISIP 2218 psi.

06/05/2008 5008-5017' **Frac LODC, sands as follows:**
 45090# 20/40 sand in 445 bbls of Lightning
 17 frac fluid. Treated @ ave. press. of 4224
 psi w/avg. rate 15 BPM W/ 6.5 ppg of sand.
 ISIP 3173 psi.

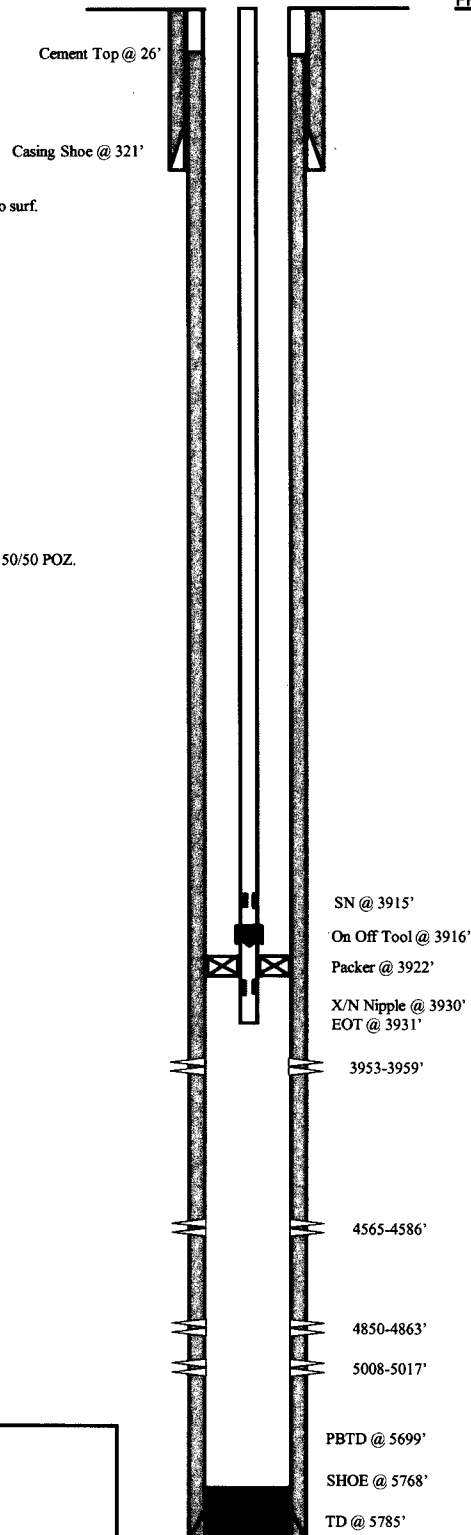
12/13/12 **Convert to Injection Well**
 12/13/12 **Conversion MIT Finalized - update tbg
 detail**

PERFORATION RECORD

02-29-08	4565-4586'	4 JSPF	84 holes
06-05-08	3953-3959'	4 JSPF	24 holes
06-05-08	4850-4863'	4 JSPF	52 holes
06-05-08	5008-5017'	4 JSPF	36 holes



FEDERAL 11-23-9-16
 2236' FSL & 1922' FWL
 NE/SW Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33178; Lease # UTU-15855



NEWFIELD

GMBU C-23-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: SE/SW Section 14, T9S, R16E; S39° FSL & 1,695' FWL

Elevation: 5746' GL + 13' KB

API Number: 43-013-51682; Lease Number: UTU-096547

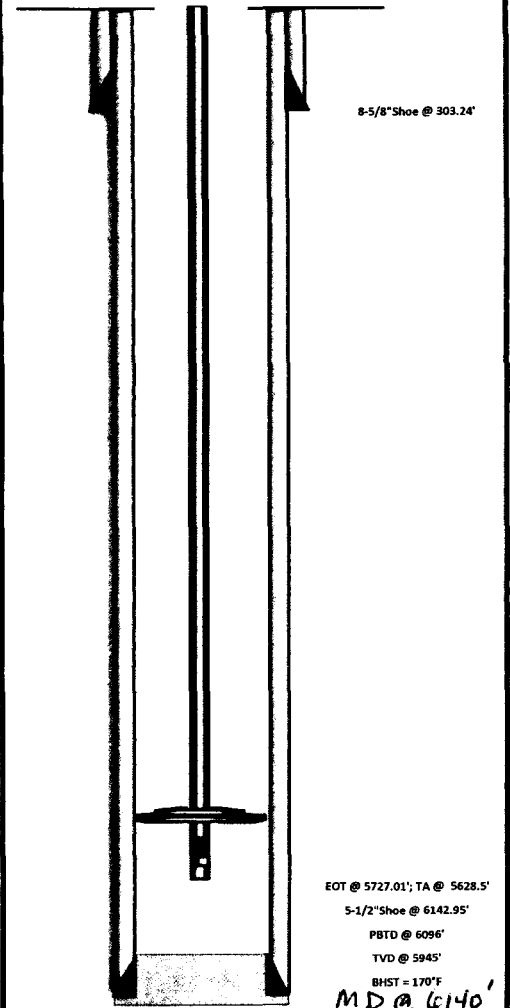
Sam Styles

PFM 1/21/14

Spud Date: 5/30/13

PoP Date: 7/12/2013

CASING DETAIL	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	13'	303'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2,6749	STC	12.250
	Prod	13'	6,143'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875
TUB DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	13'	5,727'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,629'		
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump			
	Polish Rod			0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5650'			
	Pony Rod			30'	50'	7/8"	Tenaris D78	20	1				
	4per Guided Rod			50'	1,800'	7/8"	Tenaris D78	1750	70				
	4per Guided Rod			1,800'	4,900'	3/4"	Tenaris D78	3100	124				
	8per Guided Rod			4,900'	5,650'	7/8"	Tenaris D78	750	30				
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	4,155'	4,156'	2	0.34	7/1/2013	Formation:	GB-6	GB-4					
	4,163'	4,165'	2	0.34	7/1/2013	20/40 White:	119,460 lbs	15% HCl:	0 gals				
	4,170'	4,171'	2	0.34	7/1/2013	Slickwater:	4,674 gals	17# Delta 140:	37,287 gals				
	4,210'	4,212'	2	0.34	7/1/2013	FG=	0.870 psi/ft	Load to Recover:	41,961 gals				
	4,214'	4,215'	2	0.34	7/1/2013			Max STP:	3,311 psi				
	4,225'	4,227'	2	0.34	7/1/2013								
	4,246'	4,248'	2	0.34	7/1/2013								
3	0'	0'	2	-	-	Formation:	D-3	D-1					
	4,713'	4,714'	2	0.34	7/1/2013	20/40 White:	85,200 lbs	15% HCl:	500 gals				
	4,716'	4,718'	2	0.34	7/1/2013	Slickwater:	5,320 gals	17# Delta 140:	24,902 gals				
	4,722'	4,723'	2	0.34	7/1/2013	FG=	0.840 psi/ft	Load to Recover:	30,222 gals				
	4,729'	4,730'	2	0.34	7/1/2013			Max STP:	2,799 psi				
	4,733'	4,735'	2	0.34	7/1/2013								
	4,803'	4,807'	2	0.34	7/1/2013								
2	0'	0'	2	-	-	Formation:	A-3	A-1					
	0'	0'	2	-	-	20/40 White:	65,200 lbs	15% HCl:	500 gals				
	0'	0'	2	-	-	Slickwater:	5,696 gals	17# Delta 140:	19,442 gals				
	0'	0'	2	-	-	FG=	0.810 psi/ft	Load to Recover:	25,638 gals				
	5,094'	5,097'	2	0.34	7/1/2013			Max STP:	2,692 psi				
	5,211'	5,213'	2	0.34	7/1/2013								
	5,215'	5,218'	2	0.34	7/1/2013								
1	0'	0'	3	-	-	Formation:	CP-2						
	0'	0'	3	-	-	20/40 White:	15,300 lbs	15% HCl:	750 gals				
	0'	0'	3	-	-	Slickwater:	6,192 gals	17# Delta 140:	6,279 gals				
	0'	0'	3	-	-	FG=	0.770 psi/ft	Load to Recover:	13,221 gals				
	0'	0'	3	-	-			Max STP:	3,490 psi				
	0'	0'	3	-	-								
	5,633'	5,639'	3	0.34	7/1/2013								
CEMENT	Surf	On 5/31/13 cement w/Pro Petro w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 3 bbls to pit, bump plug to 600psi											
	Prod	On 6/19/13 cement production casing W/ 260 sx lead 11.0 ppg cement followed by 470 sx 14.4 ppg tail cement Bumped plug floats held. 25 bbls back to reserve pit. TOC @ 50'.											



EOT @ 5727.01'; TA @ 5628.5'
 5-1/2" Shoe @ 6142.95'
 PBTD @ 6096'
 TVD @ 5945'
 BHST = 170°F
MD @ 6140'

Castle Peak Federal #9-23

Wellbore Diagram

Well History:

3-15-83 Spud Well
 4-2-83 Perf: 4,808'-4,821'
 4-5-83 Frac A-1 zone as follows:
 Totals 26,500 gal, 88,000# 20/40 sd
 Max TP 2,830 @ 30 BPM
 Avg TP 2,500 @ 30 BPM
 ISIP 2,080, after 5 min 1,990
 GL: 5,663'

SURFACE CASING

CSG SIZE: 8-5/8"
 WEIGHT: 24#
 LENGTH: (271.06')
 DEPTH LANDED: 270' GL
 HOLE SIZE: 13"
 CEMENT DATA: 210 sxs Class "G" with 2% CaCl and ¼# per sc
 celloflake.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 133 jts.
 DEPTH LANDED: 5405'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 200 sxs Hifill 275 sxs Thixotropic
 CEMENT TOP AT: 3314'

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
 NO. OF JOINTS: 151 jts. (4778.19')
 TUBING ANCHOR: 4802.19'
 NO. OF JOINTS: 1 jts. (31.63')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4836.62'
 NO. OF JOINTS: 1 jts. (31.62')
 TOTAL STRING LENGTH: EOT @ 4869.59'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
 SUCKER RODS: 1- 2' x ¾" pony rods, 101- ¾" guided rods, 60- ¾" slick rods, 27-
 ¾" guided rods, 4- 1 ½" weight bars.
 PUMP SIZE: RIH w/ 2-1/2" x 1-1/4" x 16' RHAC CDI pump

Cement Top @ 3314'

Casing Shoe @ 270'

Tubing Anchor @ 4802'
 Perf's: 4,808'-21'(A-1)

SN @ 4,837'

EOT @ 4870'

PBTD @ 5,362'

TD @ 5,413'



Castle Peak Federal #9-23
 2080 FSL 659 FEL
 NESE Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30654; Lease #UTU-15855

Jonah Federal 15-14-9-16

Spud Date: 5-4-05
Put on Production: 6-10-05
GL: 5631' KB: 5643'

Initial Production: BOPD 42,
MCFD 13, BWPD 161

Injection Wellbore Diagram

SURFACE CASING

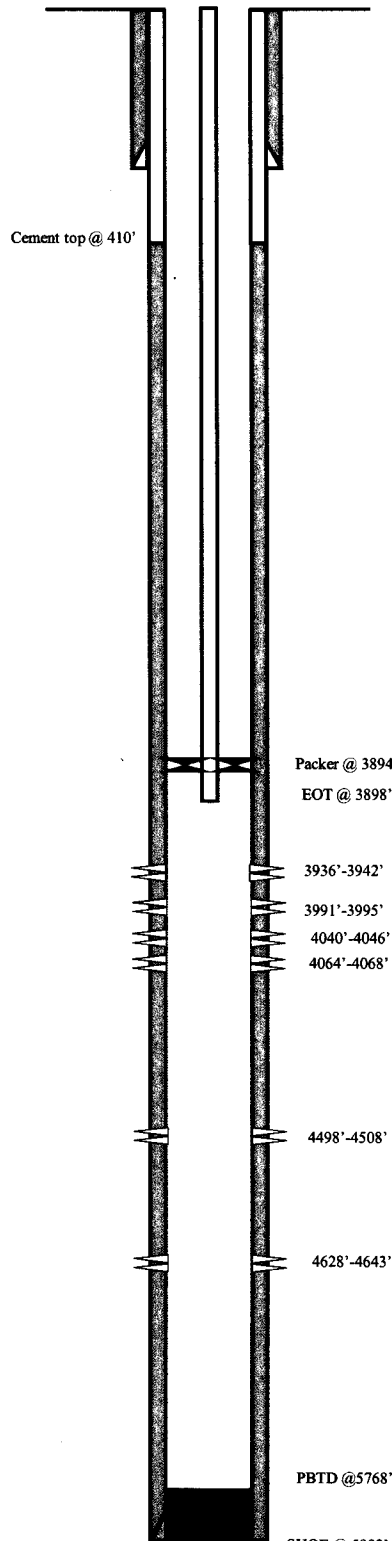
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (302-46')
DEPTH LANDED: 314.31' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 139 jts. (5888.88')
DEPTH LANDED: 5902.13' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.
CEMENT TOP AT: 410'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 116 jts (3877.64')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3889.64' KB
TOTAL STRING LENGTH: EOT @ 3898.24' KB



FRAC JOB

6-1-05	4628-4643'	Frac C sand as follows: 57,701#s 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 2180 psi w/avg rate of 24.5 BPM. ISIP 3700 psi. Screened out short of flush.
6-2-05	4498-4508'	Frac D1 sand as follows: 69,795#s 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1589 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4496 gal. Actual flush: 4200 gal.
6-2-05	4040-4068'	Frac GB6 sand as follows: 28,155#s 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 psi w/avg rate of 24.6 BPM. ISIP 3450 psi. Screened out short of flush.
6-6-05	3936-3942'	Frac GB2 & GB4 sand as follows: 29,409#s 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.4 BPM. ISIP 1900 psi. Calc flush: 3934 gal. Actual flush: 3881 gal.
11/2/06		Well converted to an Injection well.
11/21/06		MIT completed and submitted.

PERFORATION RECORD

5-25-05	4628-4643'	4 JSPF	60 holes
6-2-05	4498-4508'	4 JSPF	40 holes
6-2-05	4040-4046'	4 JSPF	24 holes
6-2-05	4064-4068'	4 JSPF	16 holes
6-2-05	3991-3995'	4 JSPF	16 holes
6-2-05	3936-3942'	4 JSPF	24 holes

NEWFIELD

Jonah Federal 15-14-9-16
610' FSL & 2096' FEL
SW/SE Section 14-T9S-R16E
Duchesne Co, Utah
API #43-013-32689; Lease #UTU-096547

Jonah Federal 16-14-9-16

Spud Date: 10-14-05
Put on Production: 11-14-05
GL: 5626' KB: 5638'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (302.62')
DEPTH LANDED: 310.02' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 130 jts (5790.42')
DEPTH LANDED: 5803.67' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP AT: 270'

TUBING


SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 123 jts (3956.9')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3968.9' KB
ON/OFF TOOL AT: 3970.0'
ARROW #1 PACKER CE AT: 3975.9'
XO 2-3/8 x 2-7/8 J-55 AT: 3979.0'
TBG PUP 2-3/8 J-55 AT: 3979.5'
X/N NIPPLE AT: 3983.7'
TOTAL STRING LENGTH: EOT @ 3985.19'

FRAC JOB

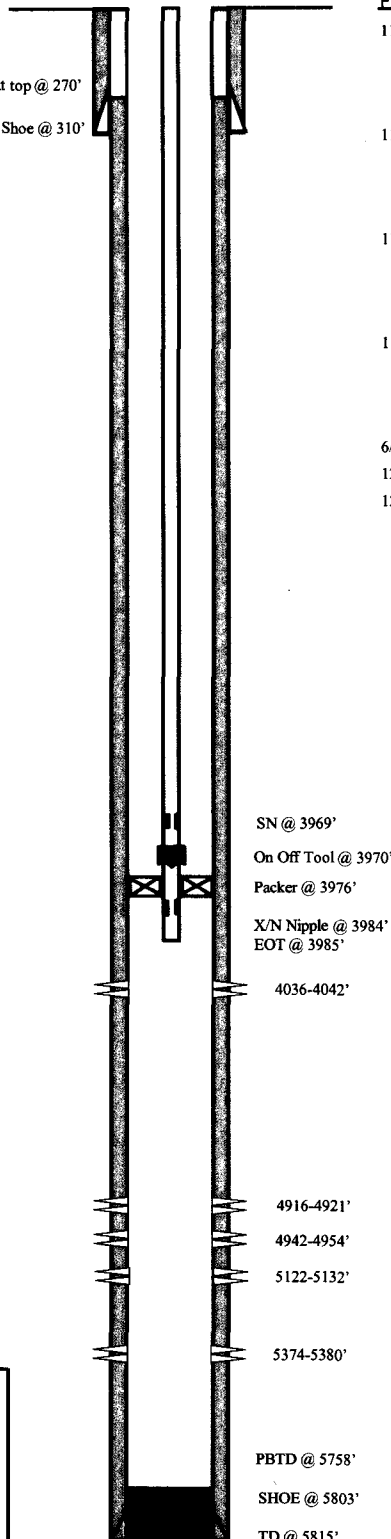
11-08-05	5374-5380'	Frac CP2 sands as follows: 24617# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2689 psi w/avg rate of 24.8 BPM. ISIP 3370 psi. Calc flush: 5372 gal. Actual flush: 4956 gal.
11-08-05	5122-5132'	Frac LODC sands as follows: 34329# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 2632 psi w/avg rate of 24.8 BPM. ISIP 2720 psi. Calc flush: 5120 gal. Actual flush: 4830 gal.
11-09-05	4916-4954'	Frac A1, & A3 sands as follows: 75312# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1787 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4914 gal. Actual flush: 3906 gal.
11-09-05	4036-4042'	Frac GB6 sands as follows: 25272# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 2043 w/avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush: 4034 gal. Actual flush: 3948 gal.
6/8/09		Pump Change. Updated rod & tubing details.
12/19/12		Convert to Injection Well
12/20/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

11-01-05	5374-5380'	4 JSPF	24 holes
11-08-05	5122-5132'	4 JSPF	40 holes
11-08-05	4942-4954'	4 JSPF	48 holes
11-08-05	4916-4921'	4 JSPF	20 holes
11-09-05	4036-4042'	4 JSPF	24 holes



Jonah Federal 16-14-9-16
657' FSL & 758' FEL
SE/SE Section 14-T9S-R16E
Duchesne Co, Utah
API #43-013-32698; Lease #UTU-096547



NEWFIELD

Schematic

Well Name: GMBU G-23-9-16

43-013-51681

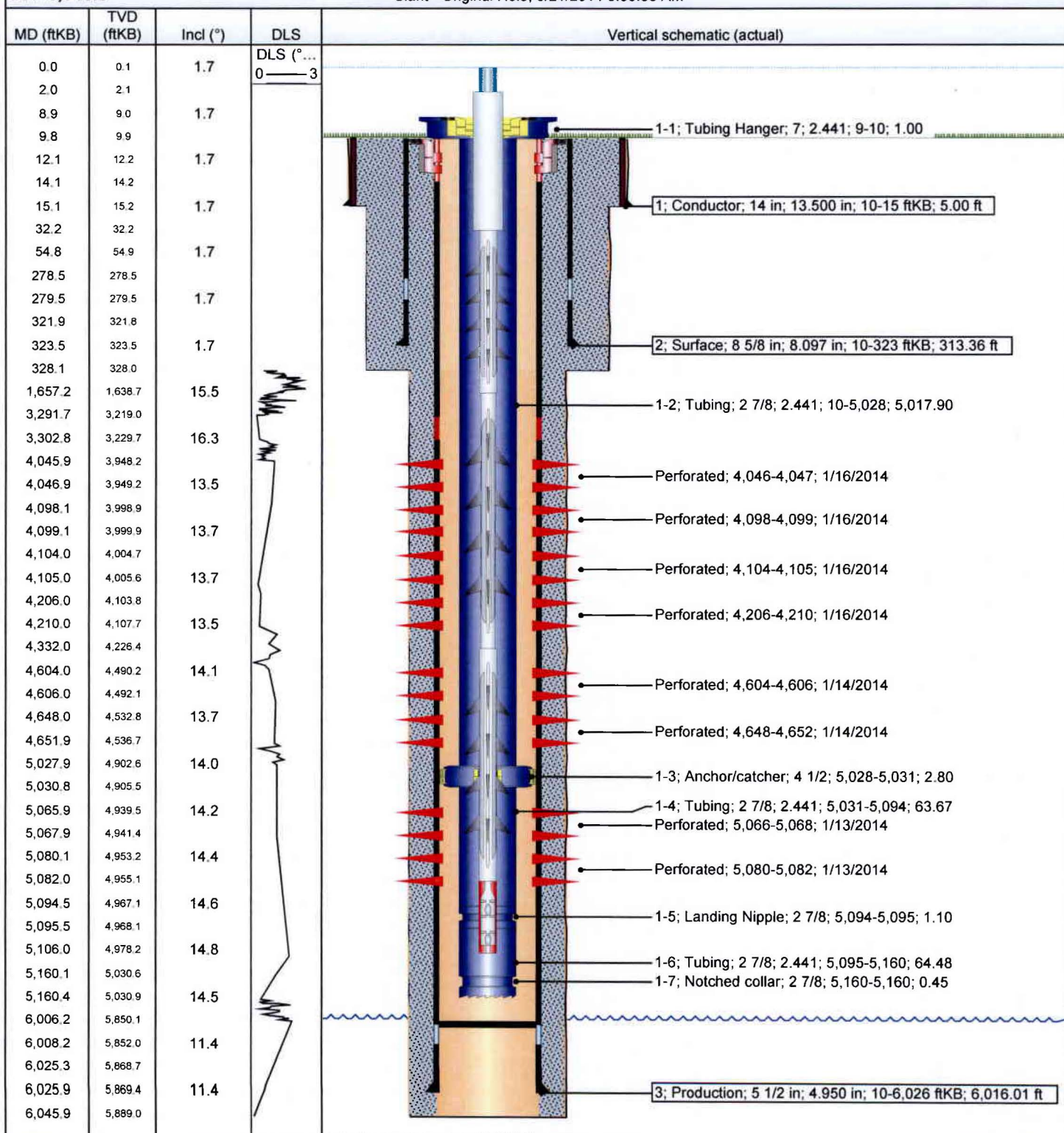
Surface Legal Location NWNW 527 FNL 726 FWL Sec 23 T9S R16E Mer SLB				API/UWI 43013516810000	Well RC 500334455	Lease UTU15855	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/14/2013	Rig Release Date 12/31/2013	On Production Date 1/24/2014	Original KB Elevation (ft) 5,728	Ground Elevation (ft) 5,718	Total Depth All (TVD) (ftKB) Original Hole - 5,889.0	PBTD (All) (ftKB) Original Hole - 6,006.3			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/13/2014	Job End Date 1/21/2014
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TD: 6,046.0

Slant - Original Hole, 3/21/2014 8:00:53 AM



Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **FEDERAL 7-23-9-16**

Sample Point:

Sample Date: **9/3/2013**Sample ID: **WA-252708**Sales Rep: **Michael McBride**Lab Tech: **Gary Winegar**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	9/10/2013	<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
System Temperature 1 (°F):	120	Sodium (Na):	7311.00	Chloride (Cl):	12000.00
System Pressure 1 (psig):	60	Potassium (K):	64.00	Sulfate (SO ₄):	110.00
System Temperature 2 (°F):	210	Magnesium (Mg):	4.30	Bicarbonate (HCO ₃):	2196.00
System Pressure 2 (psig):	60	Calcium (Ca):	9.30	Carbonate (CO ₃):	
Calculated Density (g/ml):	1.012	Strontium (Sr):	4.30	Acetic Acid (CH ₃ COO)	
pH:	10.00	Barium (Ba):	2.80	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	21736.55	Iron (Fe):	16.60	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.30	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	0.00	Lead (Pb):	0.00	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	15.00	Manganese (Mn):	0.40	Silica (SiO ₂):	17.55

Notes:

B=14.8 Al=0 Li=1.1

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	2.00	8.06	0.20	0.60	5.22	9.16	4.06	12.07	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.16
200.00	60.00	1.96	8.05	0.22	0.64	5.24	9.16	4.03	12.07	0.00	0.00	0.00	0.00	0.00	0.00	10.53	0.16
190.00	60.00	1.93	8.04	0.24	0.69	5.26	9.16	3.99	12.07	0.00	0.00	0.00	0.00	0.00	0.00	10.65	0.16
180.00	60.00	1.89	8.03	0.26	0.75	5.29	9.16	3.96	12.07	0.00	0.00	0.00	0.00	0.00	0.00	10.77	0.16
170.00	60.00	1.86	8.03	0.29	0.81	5.32	9.16	3.92	12.07	0.00	0.00	0.00	0.00	0.00	0.00	10.90	0.16
160.00	60.00	1.83	8.02	0.33	0.88	5.35	9.16	3.88	12.07	0.00	0.00	0.00	0.00	0.00	0.00	11.04	0.16
150.00	60.00	1.80	8.01	0.37	0.95	5.39	9.16	3.84	12.07	0.00	0.00	0.00	0.00	0.00	0.00	11.18	0.16
140.00	60.00	1.77	8.00	0.41	1.02	5.43	9.16	3.80	12.07	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.16
130.00	60.00	1.74	7.99	0.46	1.09	5.48	9.16	3.75	12.07	0.00	0.00	0.00	0.00	0.00	0.00	11.49	0.16
120.00	60.00	1.72	7.98	0.52	1.16	5.53	9.16	3.71	12.07	0.00	0.00	0.00	0.00	0.00	0.00	11.65	0.16

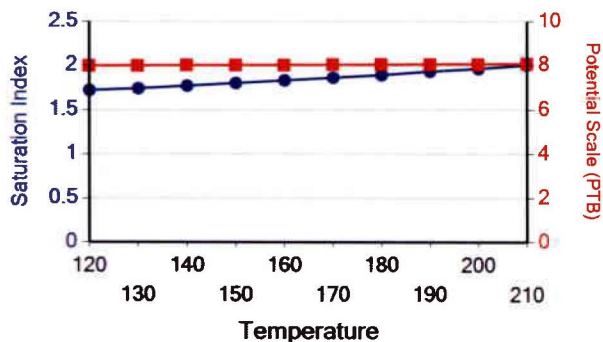
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.20	0.00	0.00	10.84	8.59	5.60	11.08	18.48	12.91
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.20	0.00	0.00	10.60	8.59	5.47	11.08	18.36	12.91
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.20	0.00	0.00	10.36	8.59	5.35	11.07	18.25	12.91
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.20	0.00	0.00	10.11	8.59	5.21	11.07	18.12	12.91
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.20	0.00	0.00	9.85	8.59	5.08	11.07	18.00	12.91
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.20	0.00	0.00	9.58	8.59	4.95	11.07	17.87	12.91
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.20	0.00	0.00	9.30	8.59	4.81	11.06	17.74	12.91
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.20	0.00	0.00	9.02	8.59	4.67	11.05	17.61	12.91
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.20	0.00	0.00	8.73	8.59	4.53	11.05	17.47	12.91
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.20	0.00	0.00	8.43	8.59	4.40	11.04	17.33	12.91

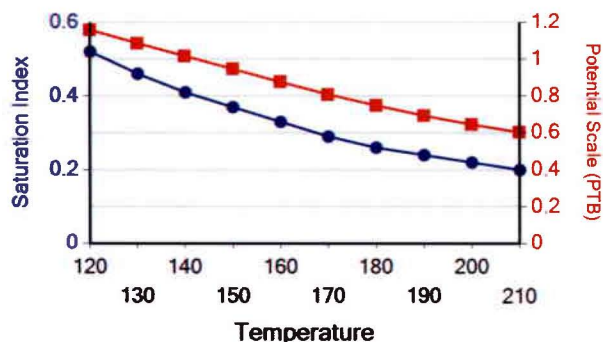
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

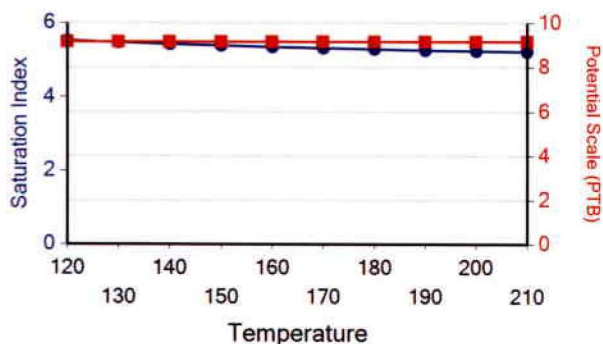
Calcium Carbonate



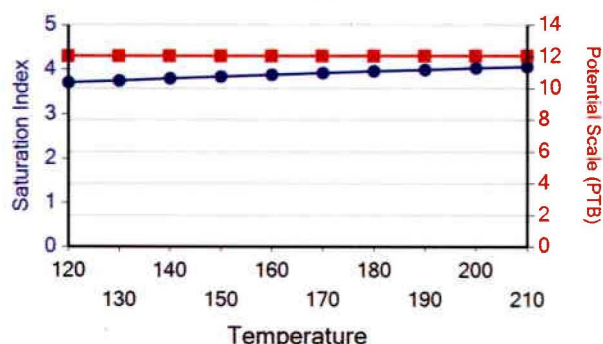
Barium Sulfate



Iron Sulfide

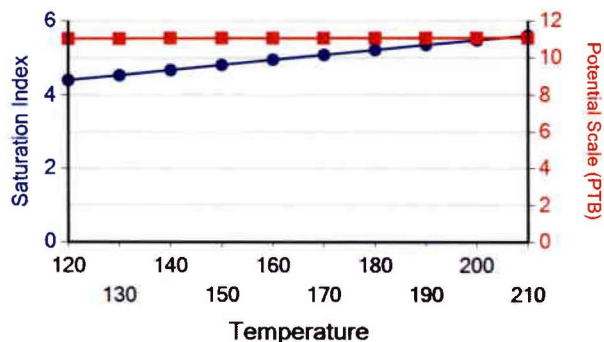


Iron Carbonate

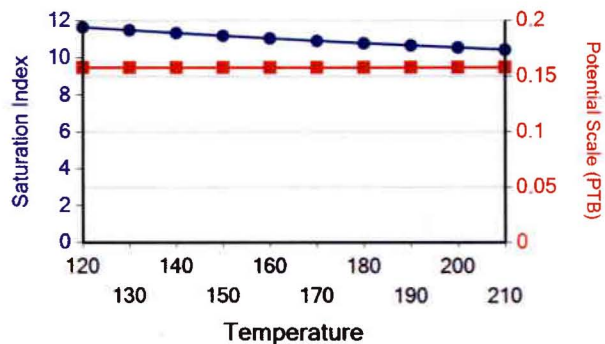


Water Analysis Report

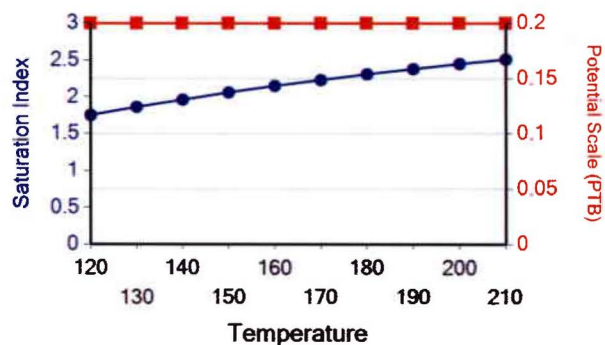
Ca Mg Silicate



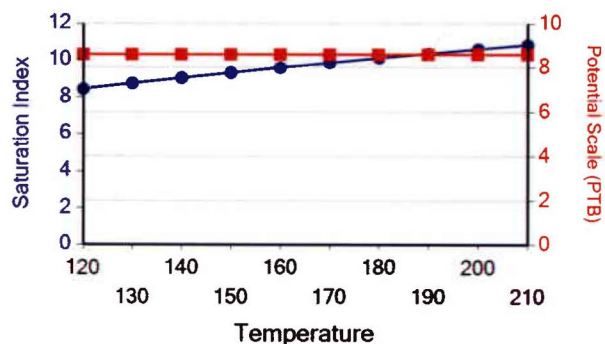
Zinc Sulfide



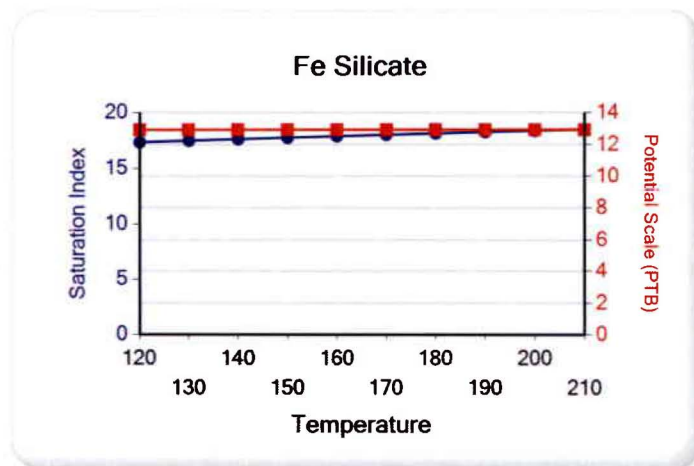
Zinc Carbonate



Mg Silicate



Water Analysis Report



5 of 8

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **BELUGA INJ FACILITY**Sample Point: **Commingled After**Sample Date: **11/4/2013**Sample ID: **WA-257478**Sales Rep: **Jacob Bird**Lab Tech: **Gary Winegar**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/11/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	300	Sodium (Na):	2661.00	Chloride (Cl):	5000.00
System Pressure 1 (psig):	1300	Potassium (K):	34.00	Sulfate (SO4):	266.00
System Temperature 2 (°F):	70	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1654.00
System Pressure 2 (psig):	15	Calcium (Ca):	46.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.004	Strontium (Sr):	4.90	Acetic Acid (CH3COO)	
pH:	8.30	Barium (Ba):	3.90	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	9712.71	Iron (Fe):	1.23	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.33	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	224.00	Lead (Pb):	0.08	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	9.00	Manganese (Mn):	0.36	Silica (SiO2):	16.91

Notes:

B=4.9 AI=.07 LI=.58

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	1.36	34.40	1.80	2.29	3.26	0.68	1.61	0.87	0.00	0.00	0.00	0.00	0.00	0.00	10.92	0.17
95.00	157.00	1.40	34.75	1.56	2.26	3.05	0.68	1.75	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.17
121.00	300.00	1.48	35.82	1.38	2.23	2.93	0.68	1.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.17
146.00	443.00	1.57	36.86	1.25	2.19	2.87	0.68	2.04	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.66	0.17
172.00	585.00	1.68	37.77	1.16	2.16	2.86	0.68	2.19	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.39	0.17
197.00	728.00	1.81	38.51	1.10	2.13	2.88	0.68	2.32	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.16	0.17
223.00	871.00	1.94	39.07	1.06	2.12	2.94	0.68	2.45	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.97	0.17
248.00	1014.00	2.09	39.48	1.05	2.12	3.03	0.68	2.56	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.17
274.00	1157.00	2.24	39.75	1.06	2.12	3.13	0.68	2.67	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.69	0.17
300.00	1300.00	2.39	39.94	1.08	2.13	3.25	0.68	2.76	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.57	0.17

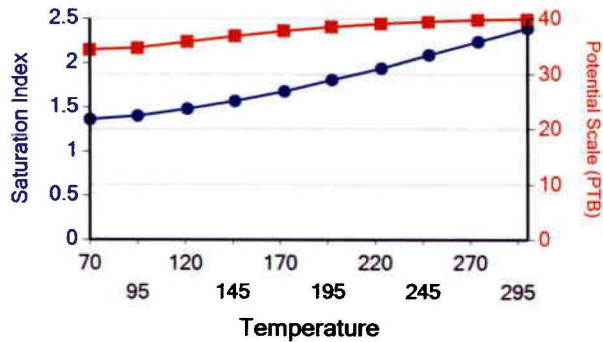
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ •0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.09	12.71	0.03	0.28	1.78	0.00	0.00	5.30	0.94
95.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.16	11.88	0.03	1.28	6.70	0.20	1.31	5.82	0.95
121.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.20	11.19	0.03	2.42	11.92	0.83	4.31	6.53	0.95
146.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.21	10.60	0.03	3.60	16.34	1.49	6.86	7.30	0.95
172.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.21	10.11	0.03	4.78	19.10	2.16	8.69	8.11	0.95
197.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.22	9.69	0.03	5.93	20.16	2.83	9.75	8.94	0.96
223.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.22	9.33	0.03	7.06	20.43	3.49	10.27	9.76	0.96
248.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.22	9.03	0.03	8.12	20.49	4.12	10.50	10.55	0.96
274.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.22	8.76	0.03	9.12	20.50	4.71	10.60	11.29	0.96
300.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.22	8.53	0.03	10.04	20.50	5.25	10.64	11.98	0.96

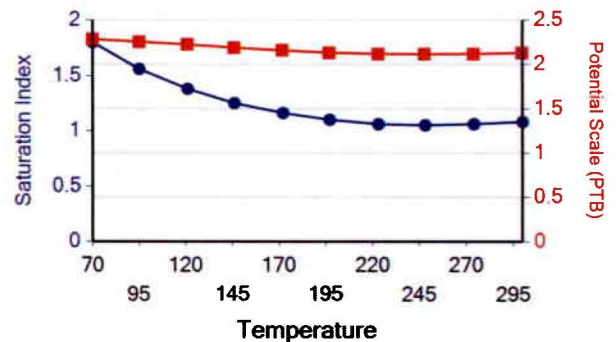
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

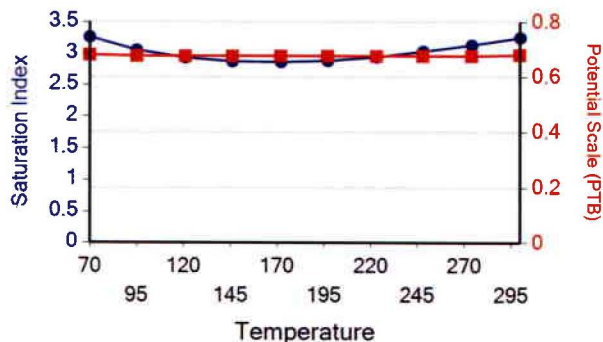
Calcium Carbonate



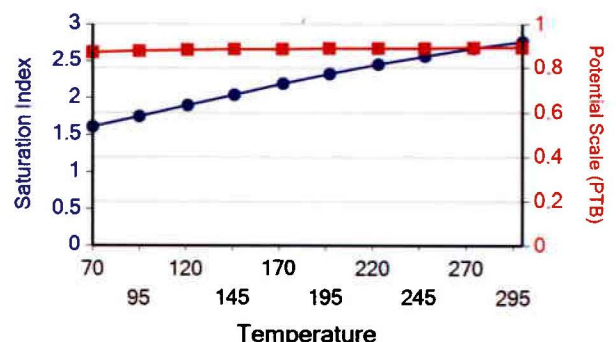
Barium Sulfate



Iron Sulfide

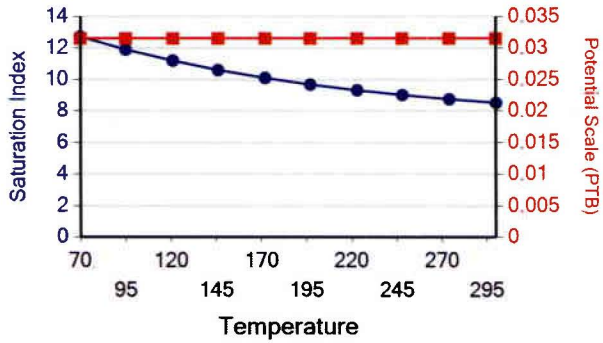


Iron Carbonate

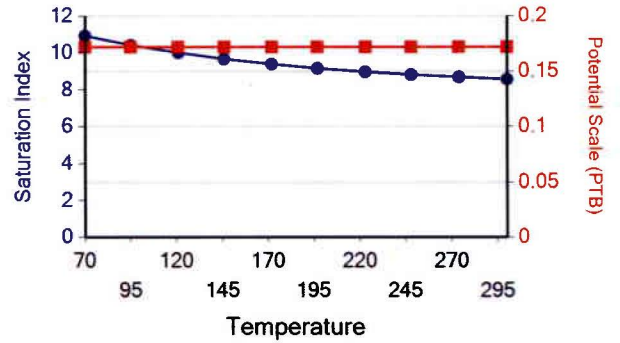


Water Analysis Report

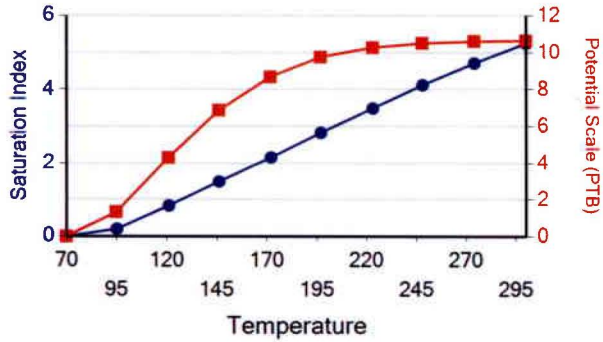
Lead Sulfide



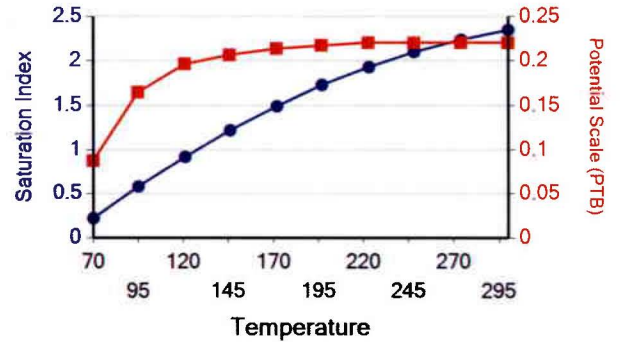
Zinc Sulfide



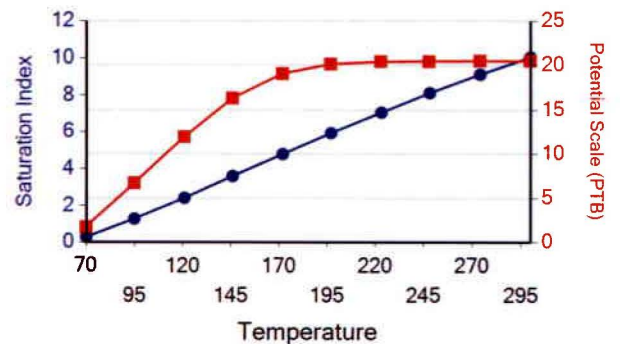
Ca Mg Silicate



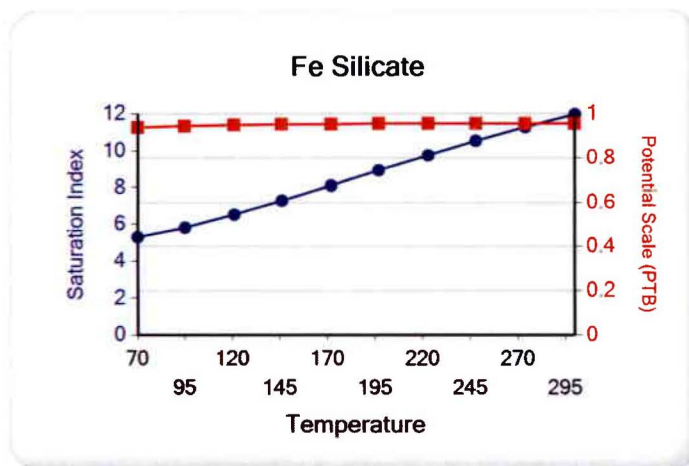
Zinc Carbonate



Mg Silicate



Water Analysis Report



Attachment "G"

**Federal #7-23-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4872	4878	4875	2000	0.84	1968
4890	4910	4900	2000	0.84	1968
				Minimum	<u>1968</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

COMPLETION

Castle Peak Prospect; SWNE Sec. 23, T9S, R16E; Duchesne Co., Utah;
Green River Fm.; PTD 5500'; Spud Date: 7/26/83

8/9/83 PU tbg, MIRU Svc Unit. Installed BOP. PU 168 jts
2-7/8" J-55 8RD tbg. Tallied tbg & PU bit & scraper.
Ran 64 jts of tbg, SDFN.
Cum \$132,090. 1 C Day

8/10/83 Tallied & ran remaining 2-7/8" tbg in hole. Tagged
PBTD @ 5322'KB. Displaced hole w/5% KCL wtr w/Claysta
& pulled tbg OOH. RU GO, ran cmt bond logs @ 5317'-3400'
& across cmt top @ 1484' w/1000 psi on csg. Bond looked
ok. Press tstd csg to 3000# - ok. SDFN.
Cum \$136,470. 2 C Day

8/11/83 Present Operation - Flowing well back. RIH & perf'd
well from 4872'-78' & 4890'-4910' w/4" csg gun. Press
up hole w/rig pump. Perf'd broke down @ 2880 psi.
RU Western Co. & frac'd well. SDFN.
Cum \$159,450. 3 C Day

8/12/83 Well flowing. CP 100 psi. Bled pressure off, PU 5 1/2"
pckr. RIH w/2-7/8" tbg. Set pckr @ 4755'. Made 10
swb runs, rec 40 BW when well started to flow. Well
making 10% oil. Flowed 6 hrs, rec 120 bbls fluid on
25/64" chk. TP 80-100 psi. 95% oil on last sample.
Rec 90 BLW, 70 BNO. Left well flowing on 16/64" chk.
Tr of sd in samples.
Cum \$161,350. 4 C Day.

8/13/83 Well flowing. Flowed 243 bbls fluid in 14 hrs on 16/64"
chk. TP 130 psi. Opened well on 18/64" chk & flowed for
8 hrs. Md 153 BO w/tr of sd & wtr. TP incr to 175 psi
@ 3 pm. Flowed 210 bbls fluid from 3 am on 8/12/83 to
9 am on 8/13/83 on 16/64" chk. FTP 175#, wtr cut 5%.

8/14/83 Well Flowing. 265 bbls fluid in 24 hrs on 16/64" chk.
FTP 190#. Wtr cut 5%.

8/15/83 Preparing to TOH w/pckr. Flowed 178 bbls fluid in 23 hrs
on 16/64" chk. FTP 165#. Wtr cut 3%.
Cum \$163,130.

8/16/83 FTP 165#. Flowing oil & gas on 16/64" chk. Pumped 13 BW
down tbg to kill well & rel pckr. POOH, LD pckr & 19 jts
tbg. PU & ran notched collar, 1 jt tbg, SN, 2 jts tbg,
tbg anchor & 146 jts tbg. Set anchor & landed tbg w/3000#
tension. Removed BOP, MU WH. Anchor @ 4756.87'; SN @ 4822.94';
end of tbg @ 4855.49'. RU & swbd well. Had trouble getting in
hole due to parafin. Hot oiled well, left well flowing to tank
on 16/64" chk.
Cum \$166,990.

LOMAX EXPLORATION
Federal #7-23
Section 23, T9S, 16E
Duchesne County, Utah
DAILY COMPLETION REPORT 2

- 8/13/83 Present Operation - Flowing. (5 days)
REMARKS: Well flowed 243 BF in 14 hrs overnight on 16/64 choke. Tbg press 130 psi. Opened well on 18/64 choke and flowed well for 8 hrs. Well made 153 Bbls oil w/tr of water & sand. Tbg press increased to 175 psi @ 3:00 PM 8/12/83 to 9:00 AM 8/13/83 on 16/64 choke. FTP 175#, WC 5%.
CUM COST: \$163,130
- 8/14/83 Present Operation - Flowing. (6 days)
REMARKS: Flowed 265 Bbls fluid in 24 hrs on 16/64 choke. FTP 190#, WC 5%.
CUM COST: \$163,130
- 8/15/83 Present Operation - Prepare to TOH w/pkr. (7 days)
REMARKS: Flowed 178 Bbls fluid in 23 hrs on 16/64 choke. FTP 165#, WC 3%.
CUM COST: \$163,130
- 8/16/83 Present Operation - Flowing. (8 days)
REMARKS: Tbg press 165 psi. Well flowing oil and gas on 16/64 choke. Pumped 15 Bbls wtr down tbg to kill well, and released pkr. POH and LD pkr and 19 jts of tbg. PU and ran notched collar, 1 jt tbg, SN, 2 jts tbg, tbg anchor, and 146 jts tbg. Set anchor and landed tbg w/8000# tension. Removed BOP's and made up well head. Anchor @ 4756.87', SN @ 4822.94', EOT @ 4855.49'. RU and swabbed well. Had trouble getting in hole, due to paraffin. Hot oiled well. Left well flowing to tank on 16/64 choke.
CUM COST: \$166,990
- 8/17/83 Present Operation - Swabbing. (9 days)
REMARKS: Well flowing gas but no fluid. Made 10 Bbls overnight. Swabbed well for 7 hrs, making only oil and gas for last 3 hrs. Well would flow for 30 min after each swab run and die. Swabbed 85 Bbls oil 35 Bbls water. Left well flowing on 16/64 choke, 75 psi.
CUM COST: \$168,290
- 8/18/83 Present Operation - Swabbing. (10 days)
REMARKS: Well dead. RIH. Pulled one swab, fluid level @ surface. Well flowed for 2 hrs @ 4 Bbls/hr. RU hot oil truck. Circ well w/100 Bbls hot oil. Well died. Made 6 swab runs, well started to flow. Died in one half hr. Swabbed well for rest of the day. Well would flow 15-20 min after each run. Making 100% oil. Left well open to tank on 26/64 choke. SDFN.
CUM COST: \$170,150

LOMAX EXPLORATION
Federal #7-23
Section 23, T9S, 16E
Duchesne County, Utah
DAILY COMPLETION REPORT 3

8/19/83 Present Operation - RDMOL. (11 days)
REMARKS: Well dead, did not flow overnight. Removed well head and released anchor. PU and ran 3 jts of 2 7/8" tbg and set anchor. Made up wellhead and prepared to run rods. EOT @ 4952'. SN @ 4920'. Anchor @ 4854". PU and ran 1 1/2" pump, 4 wt rods, 190 3/4" rods, 1 8', 1 6', 1 4' pony rods, and 1 1 1/2" polish rod. Landed pump and made up wellhead. Pressure tested pump, ok. Rigged down and moved off location.
CUM COST: \$176,890

8/24/83 On production @ 10:30 AM.

8/25/83 Pumped 103 Bbls oil, .83 wtr.

8/26/83 Present Operation - Stripping rods & tubing. Pumped 80 Bbls oil.
REMARKS: Moved Gamache Well Service in to pull pump & rods. RU and pulled 12,000 # over string wt. Pump stuck, called out 200 Bbls 5% KCL to circ hole. Circ hole and started to strip out. SDFN.

8/27/83 Present Operation - RDMOSU. Pumped 82 Bbls oil.
REMARKS: Stripped pump, rods & tbg out of the hole. Pump stuck in SN. (seat nipple too small) Ran back in hole w/ notched collar, 2 jts 2 7/8" tbg, SN, 2 jts 2 7/8" tbg, tbg anchor, 149 jts tbg 2 7/8". EOT @ 4985.38. Seat 8000# tension on anchor. TIH w/ 1 1/2" Axelson pump, 4 wt rods, 191 3/4" rods, 1 3/4 x 8', 1 3/4 x 6', 1 3/4 x 2' and 22' x 1 1/2" polish rod. Put well on production @ 6:30 PM.

8/28/83 Well not pumping.

8/29/83 Well not pumping.

8/30/83 Well not pumping.

8/31/83 Pumped 25 Bbls wtr. Pump gas locked.

9/1/83 Well not pumping.

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4822'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 165' balance plug using 19 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Perforate 4 JSPF @ 1422'
5. Plug #3 120' plug covering Uinta/Green River formation using 25sx Class "G" cement pumped under CICR and out perforations. Follow using 7 sx Class "G" cement pumped on top of CICR
6. Perforate 4 JSPF @ 331'
7. Plug #4 Circulate 106 sx Class "G" cement down 5 1/2" casing and up the 5-1/2" x 8-5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

Federal #7-23

Well History:

7-26-83 Spud Well
 8-11-83 Perf: 4,872'-4,878', 4,890'-4,910'
 Frac A-3 zone as follows:
 Totals 38,000 gal, 130,800# 20/40 sd
 Max TP 2,600 @ 31 BPM
 Avg TP 2,000 @ 31 BPM
 ISIP 2,000, after 5 min 1,450

GL: 5,706'

Surface Hole Size: 12 1/4"

Hole Size: 7 7/8"

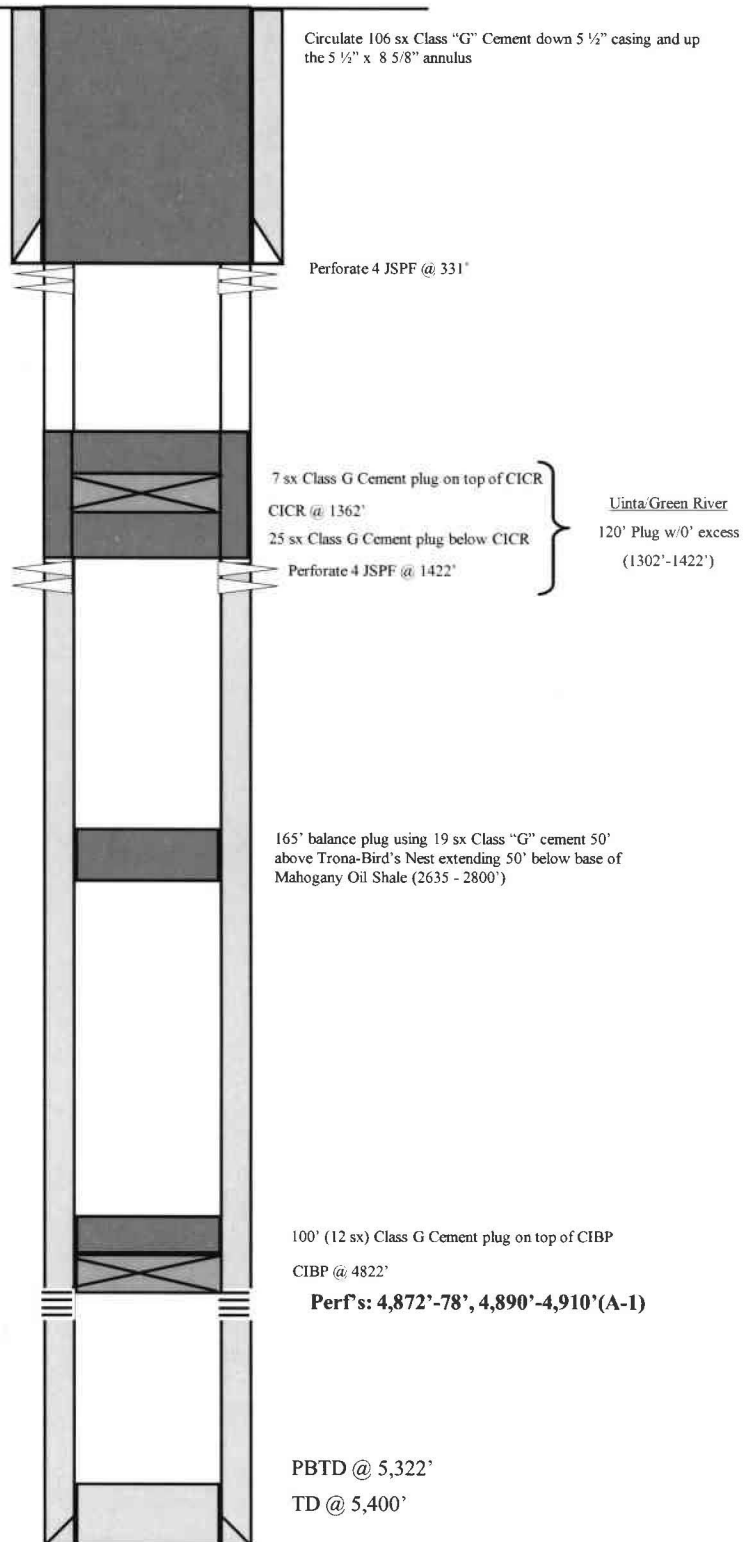
Rods: 188-3/4"

8-5/8" Surface CSG @ 281'

5-1/2" J-55 CSG @ 5,373'

Cement Top @ 1,484'

Proposed P & A Wellbore Diagram



Federal #7-23
 1967 FNL 1985 FEL
 SWNE Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30662; Lease #U-15855